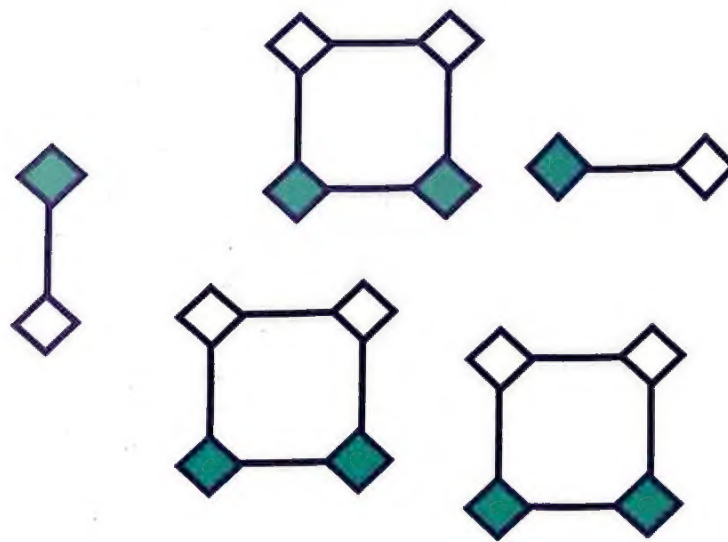


11+ Non-verbal Reasoning Practice

Ages 10–11



Series editor Tracey Phelps,
the 11+ tutor with a

96% PASS RATE

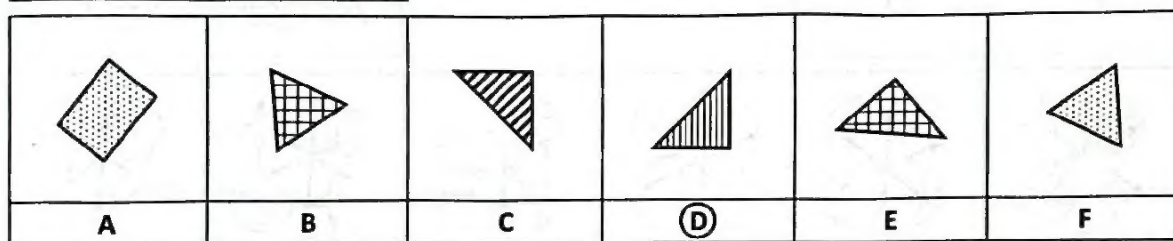
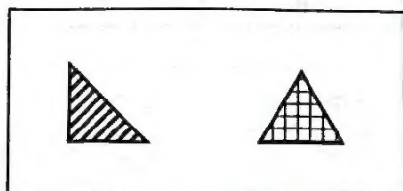
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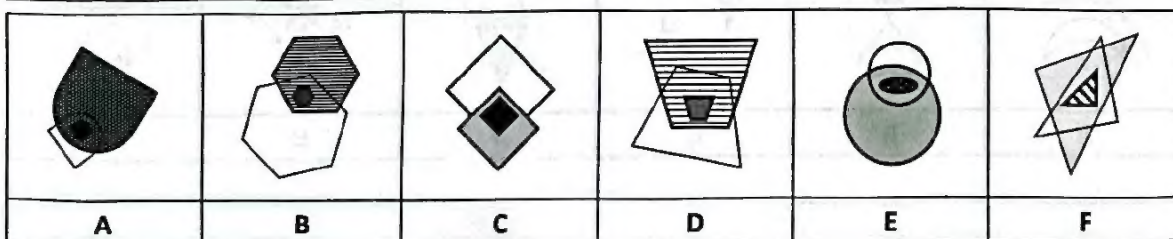
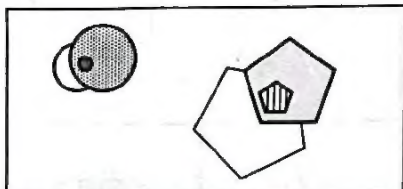
Similarities

Find the shape that is most like the shapes in the box on the top left of each question.
Circle one of the options A-F.

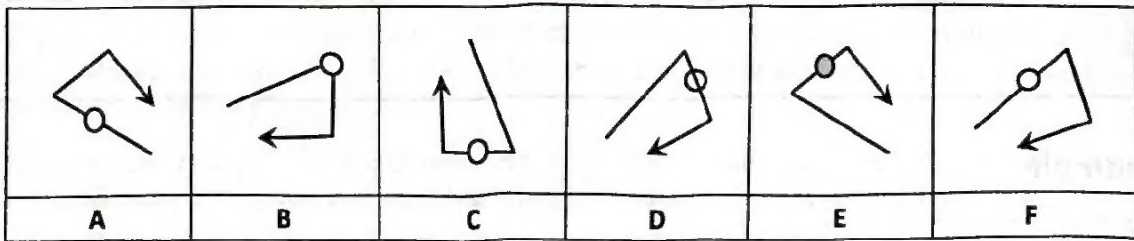
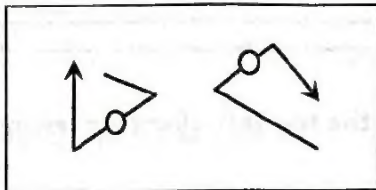
Example



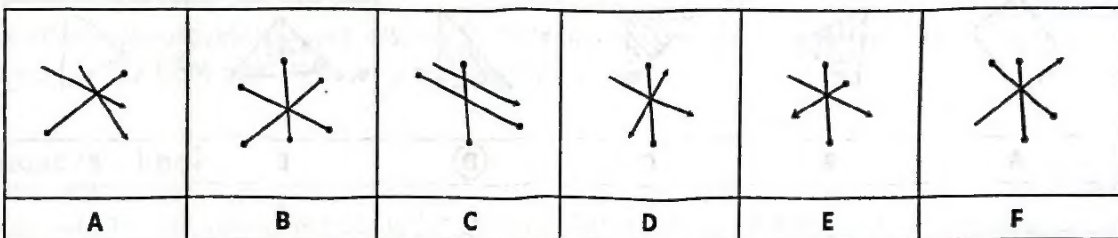
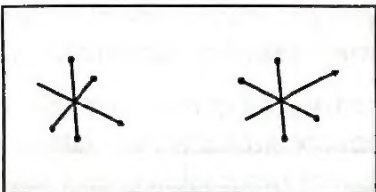
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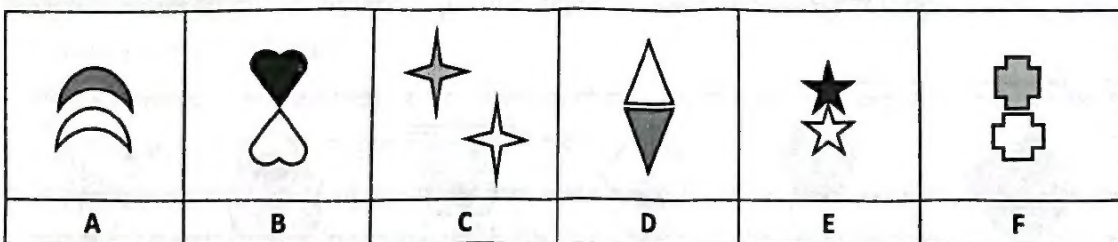
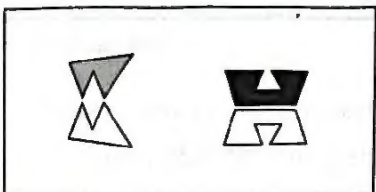
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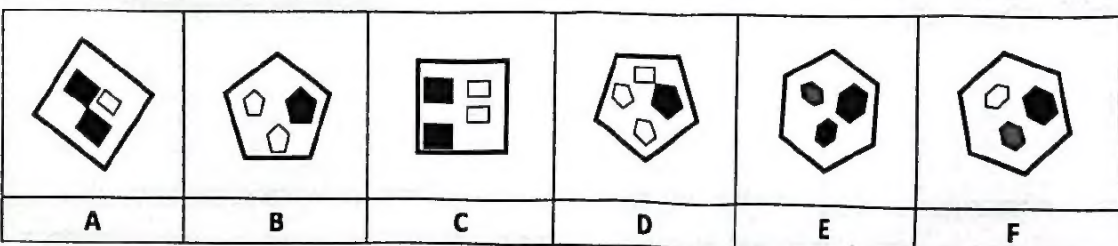
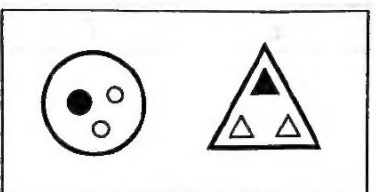
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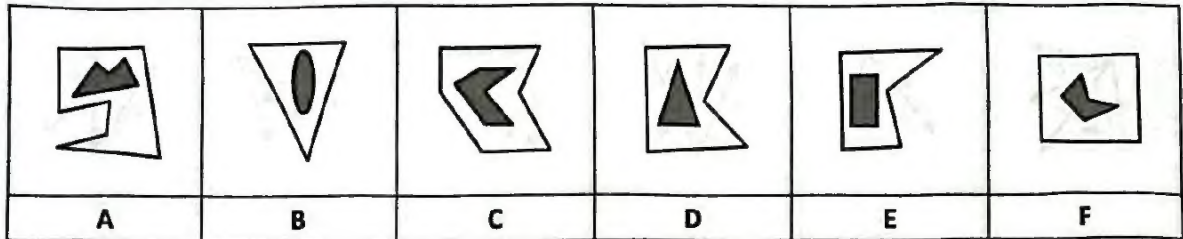
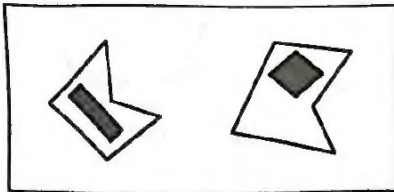
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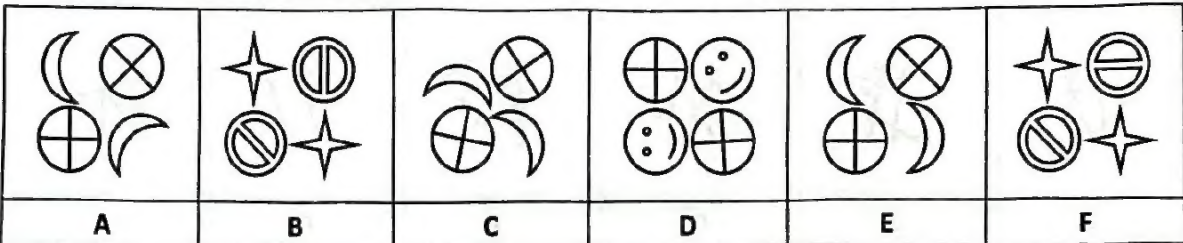
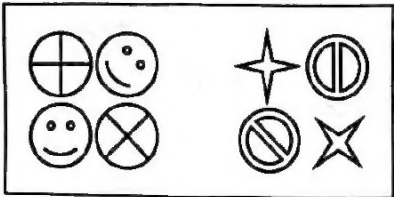
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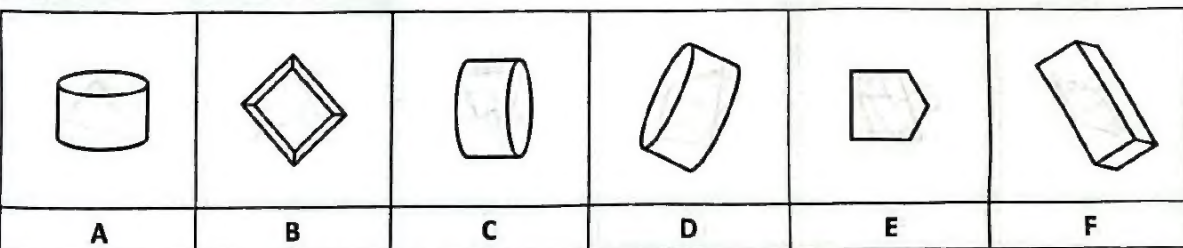
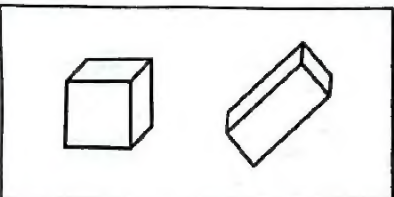
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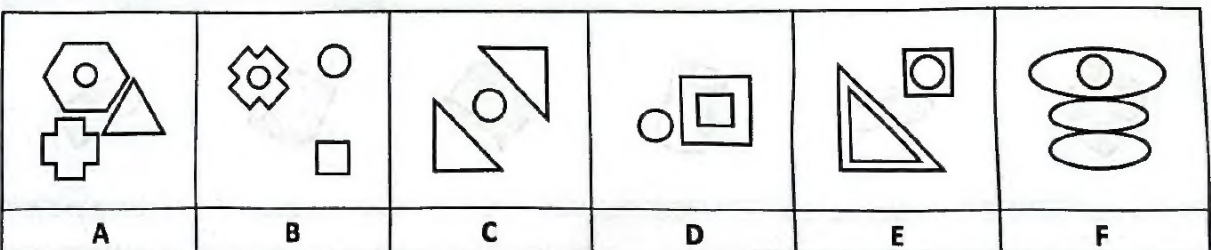
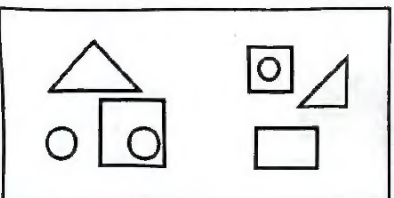
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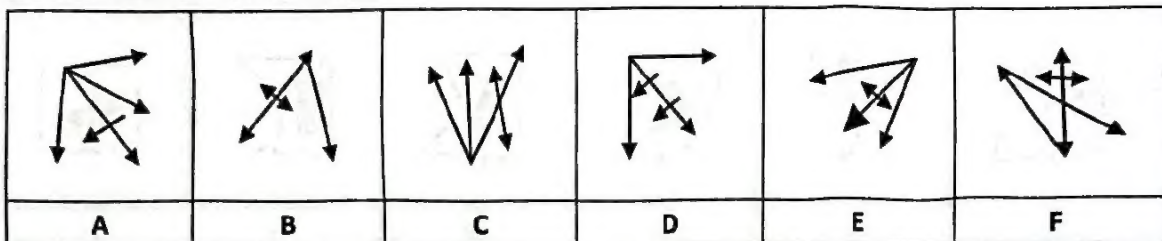
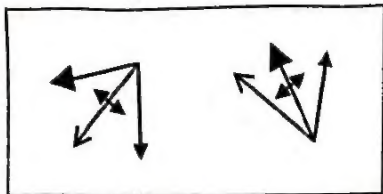
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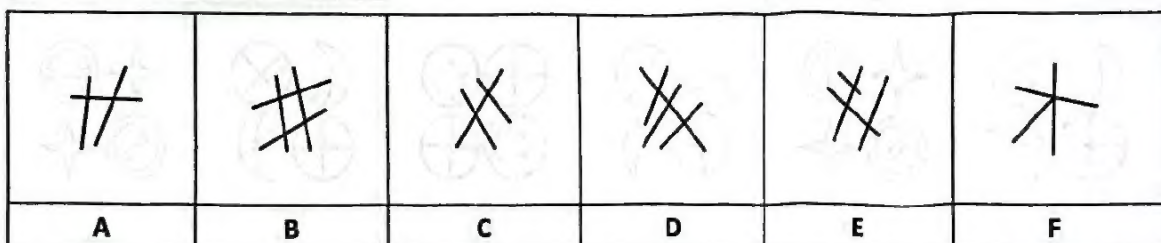
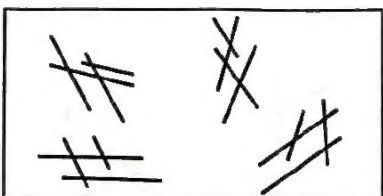
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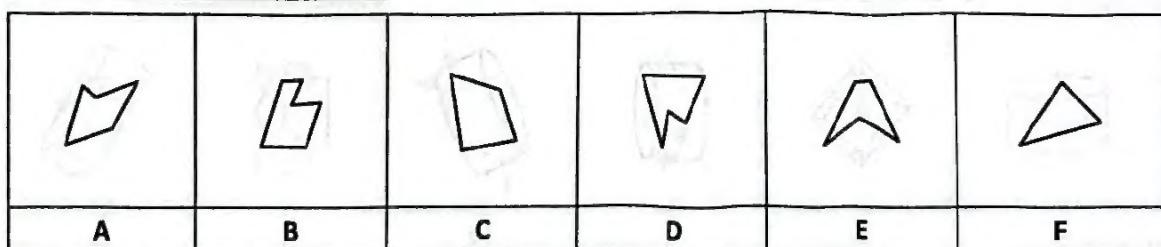
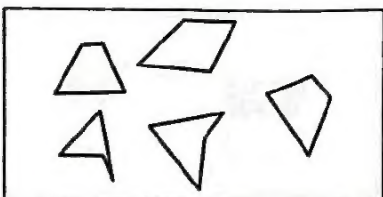
10



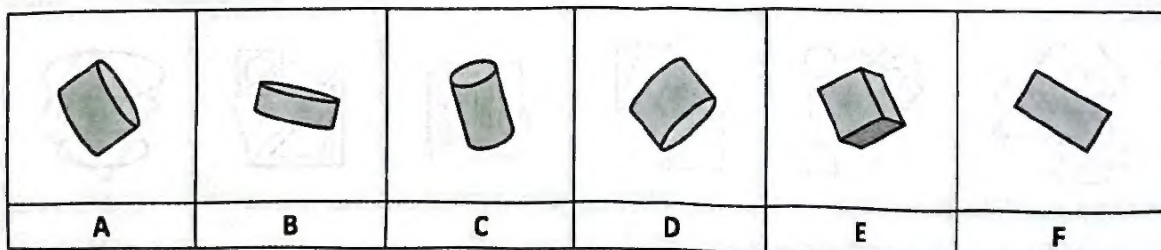
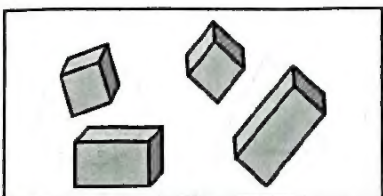
11



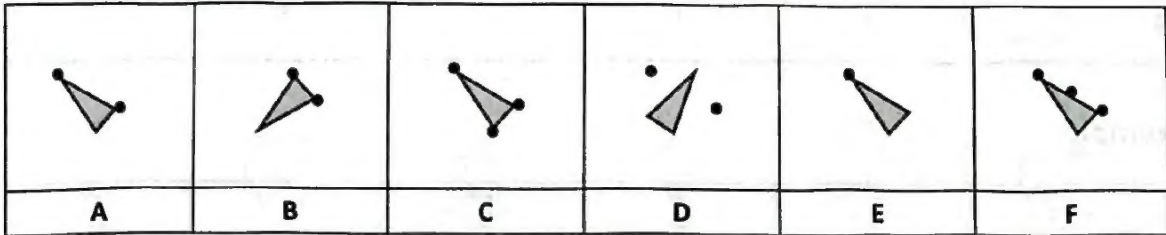
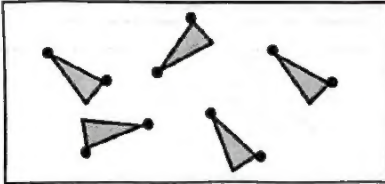
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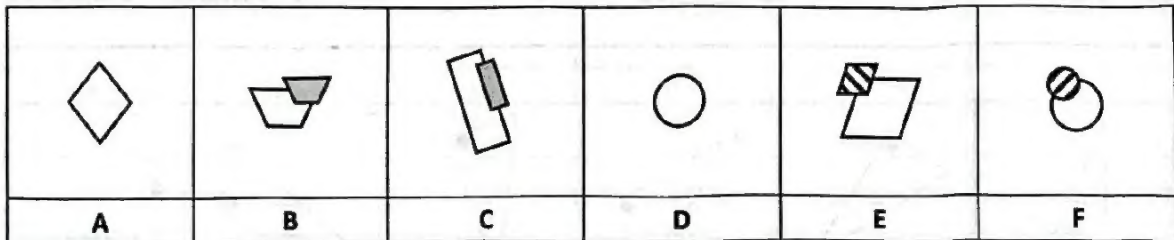
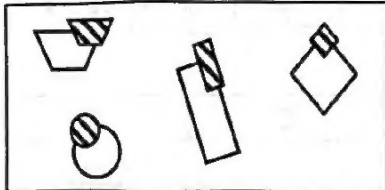
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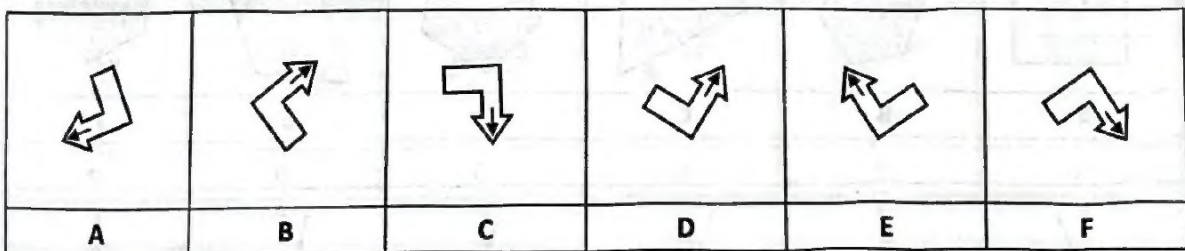
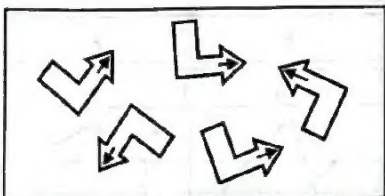
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15



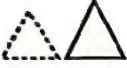




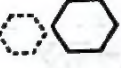
16




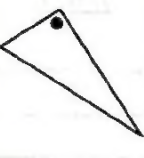


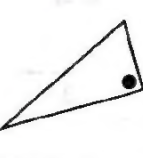
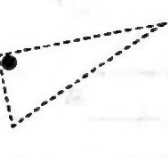
Differences

Which is the odd one out? Circle one of the options A-F.

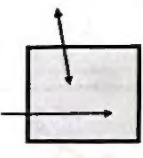

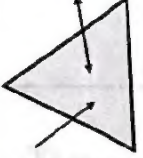



Example

					
A	B	C	D	E	F







1

					
A	B	C	D	E	F


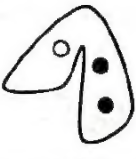




2

					
A	B	C	D	E	F

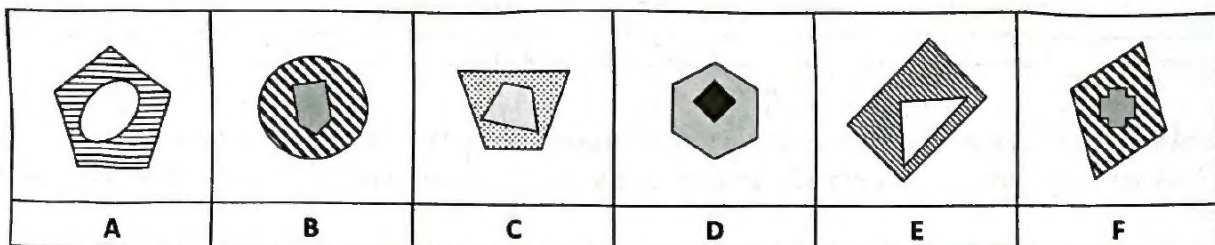
3

					
A	B	C	D	E	F

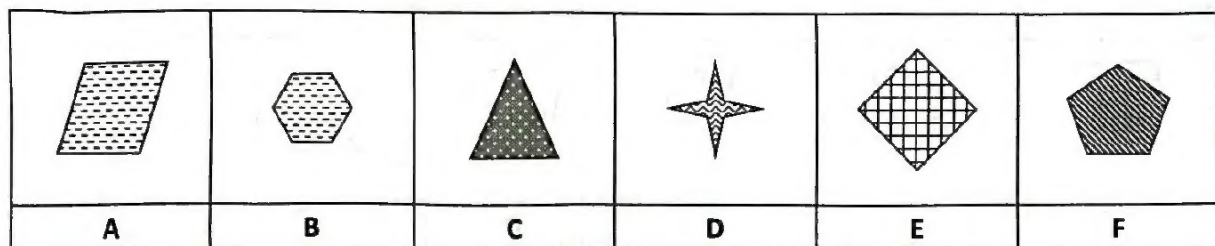
4

					
A	B	C	D	E	F

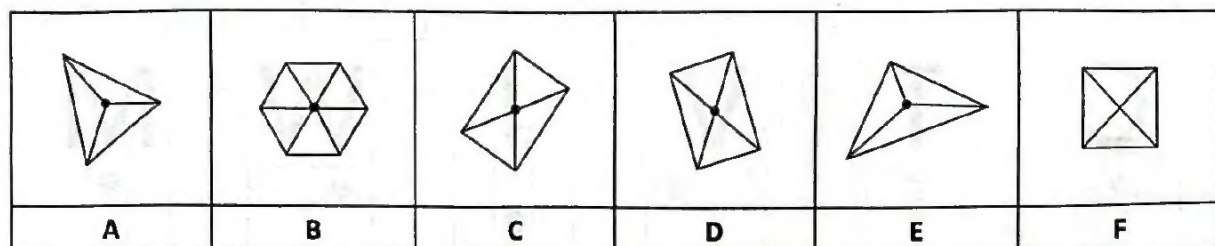
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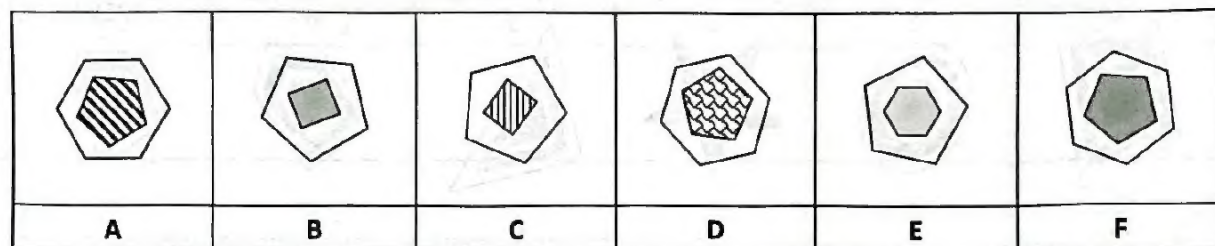
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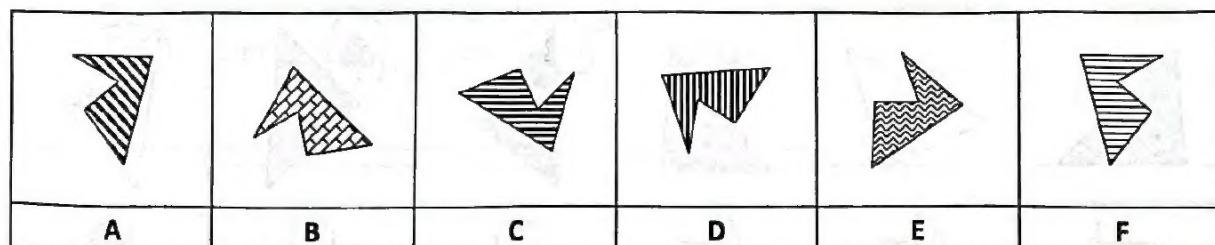
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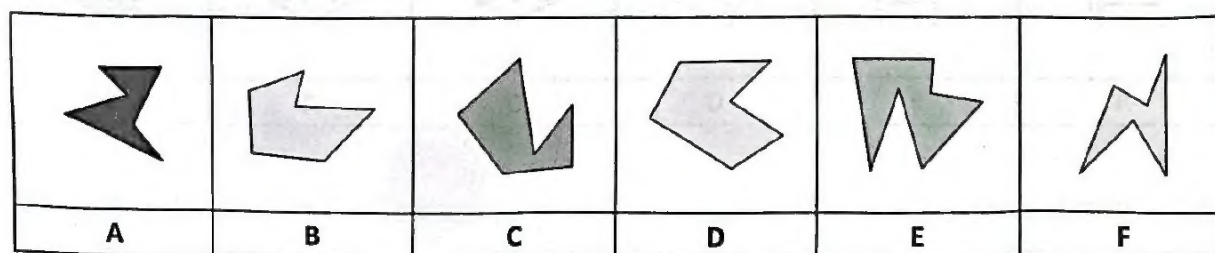
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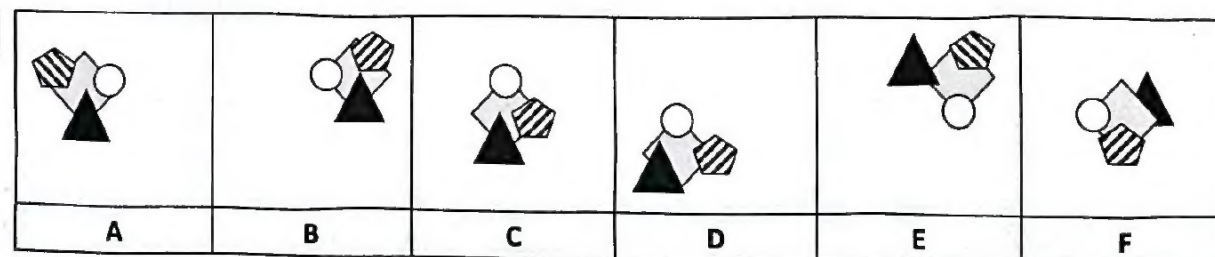
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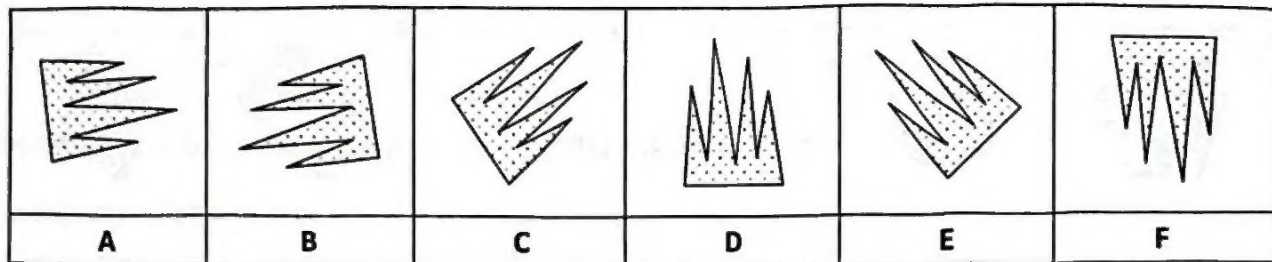
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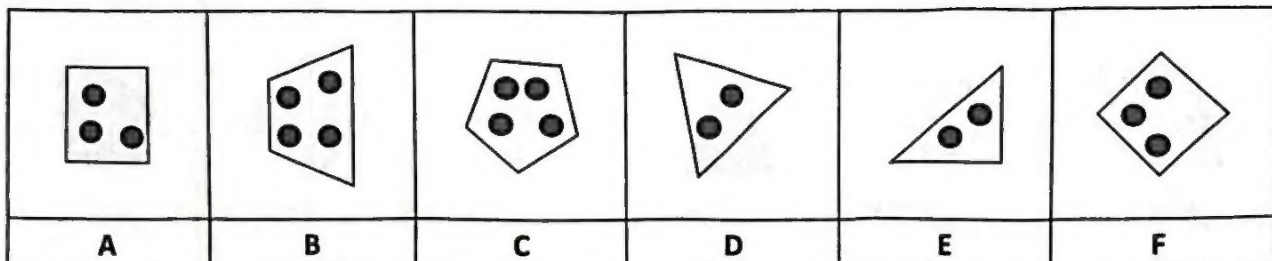
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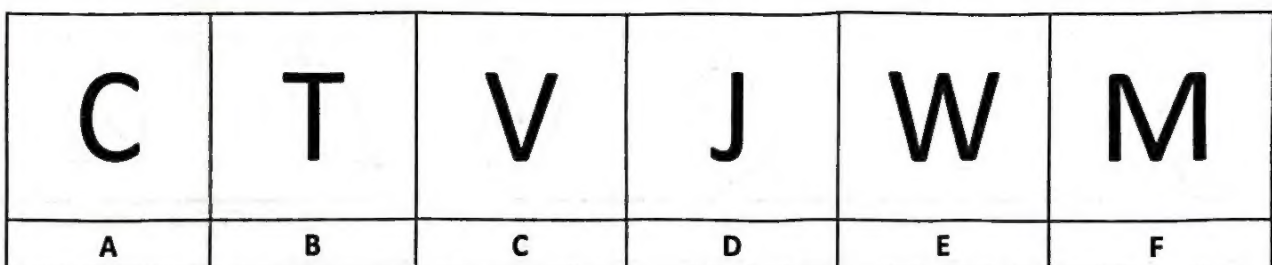
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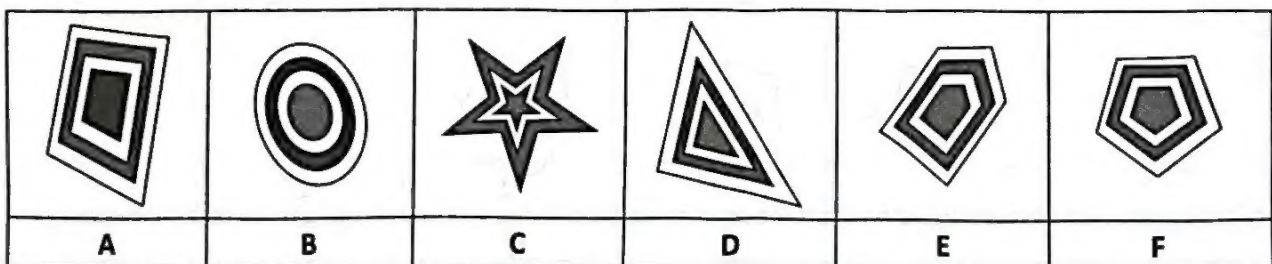
13



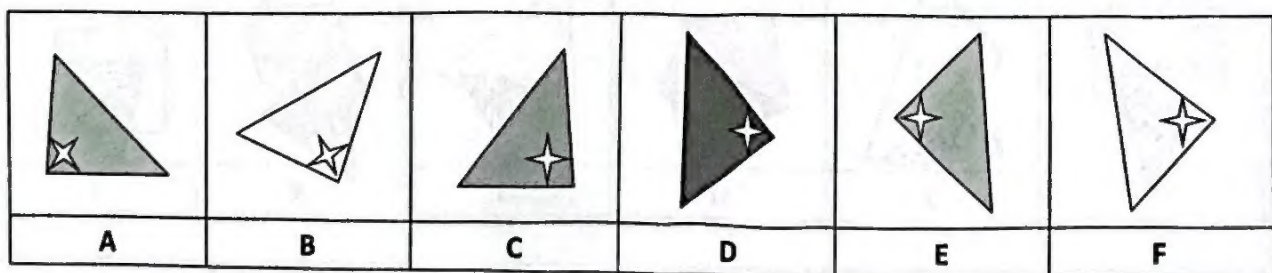
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15



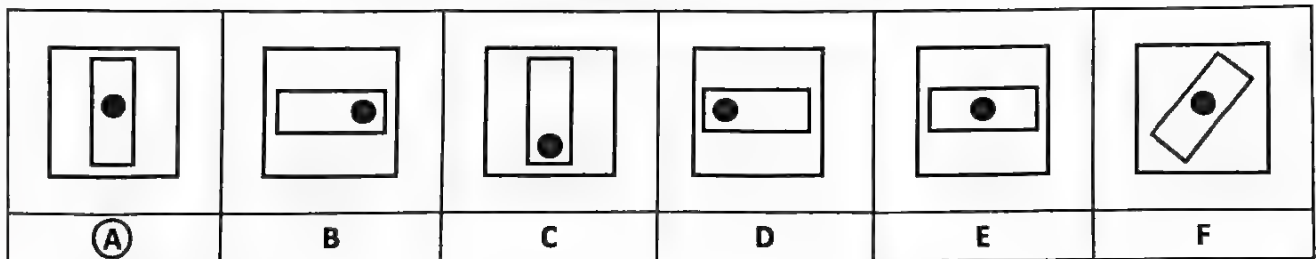
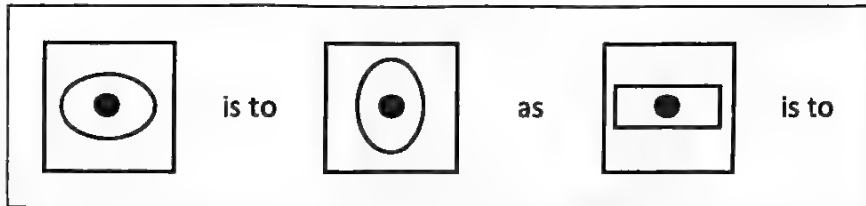
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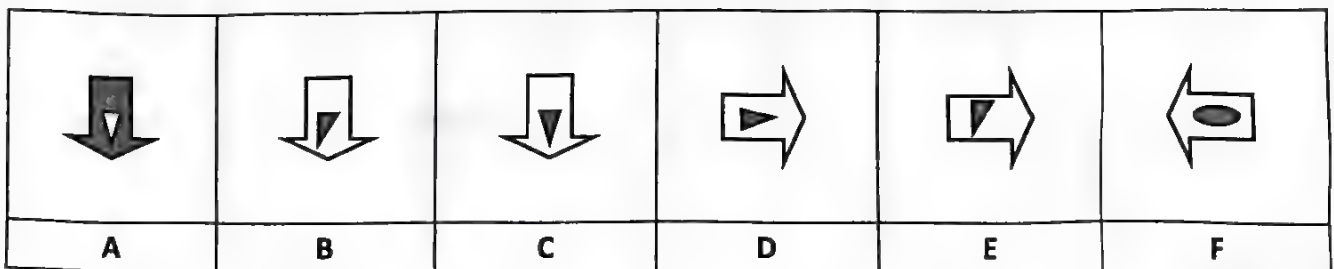
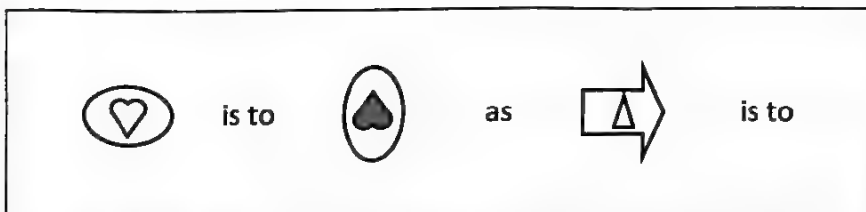
Analogies

The first two pictures on the left are related to each other in some way. Decide which picture is related to the third picture in the same way. Circle one of the options A–F.

Example



1



2



is to



as



is to



A



B



C



D



E



F

3



is to



as



is to



A



B



C



D



E



F

4



is to



as



is to



A



B



C



D



E



F

5



is to



as



is to



A



B



C



D



E



F

6



is to



as



is to



A



B



C



D



E



F

7



is to



as



is to



A



B



C



D



E



F

8



is to



as



is to



A



B



C



D



E



F

9



is to



as



is to



A



B



C



D

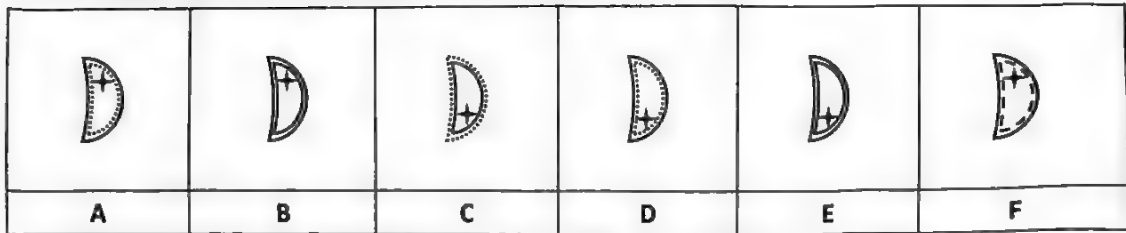
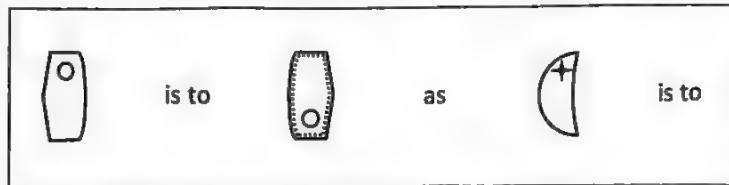


E

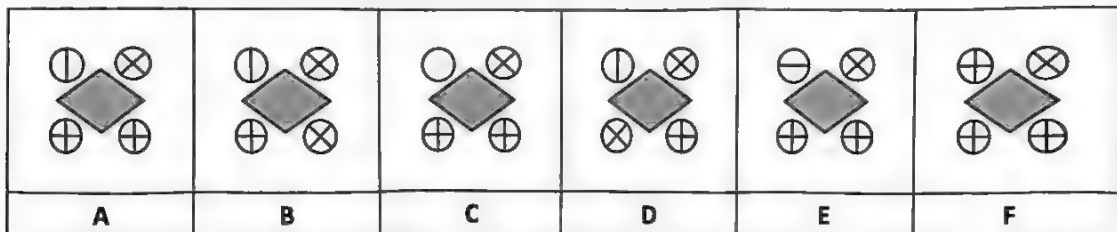
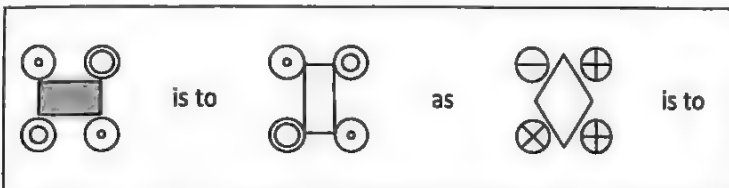


F

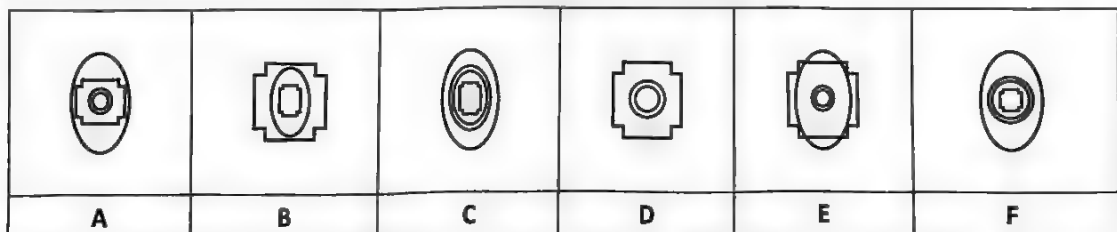
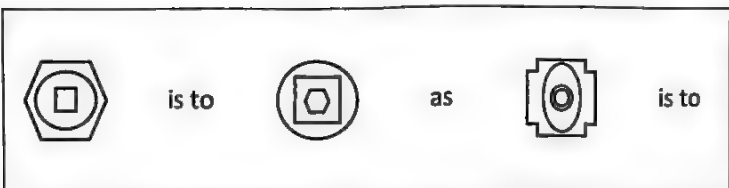
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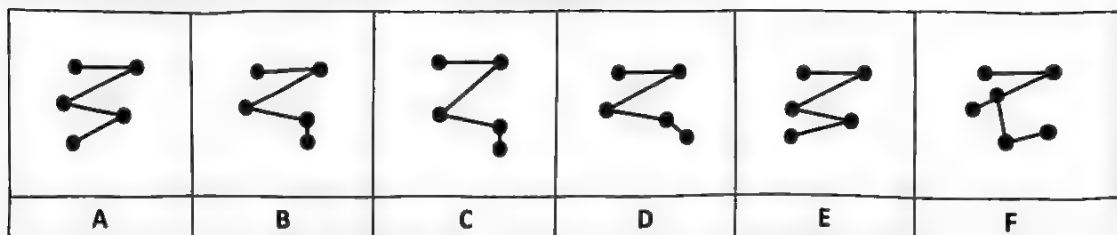
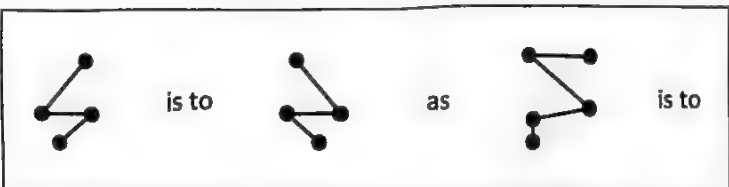
11



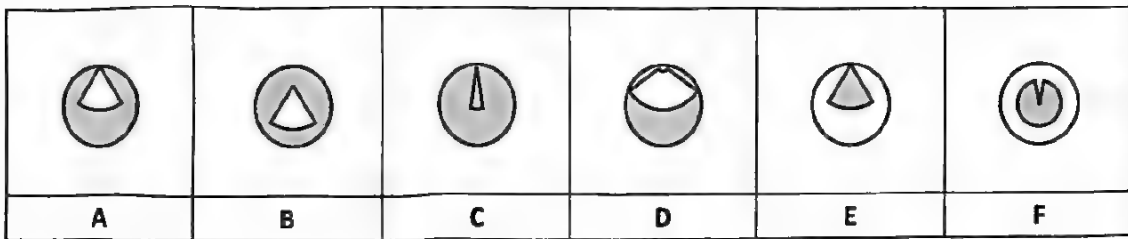
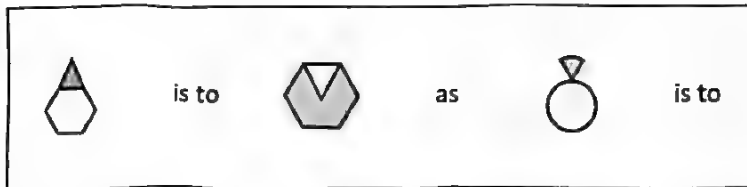
12



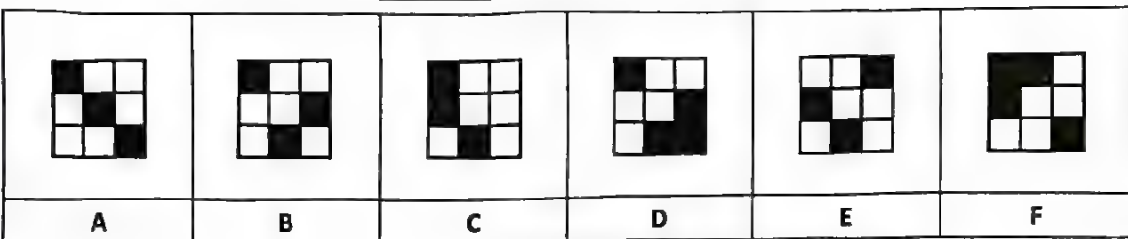
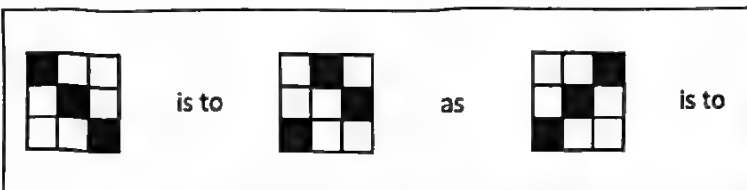
13



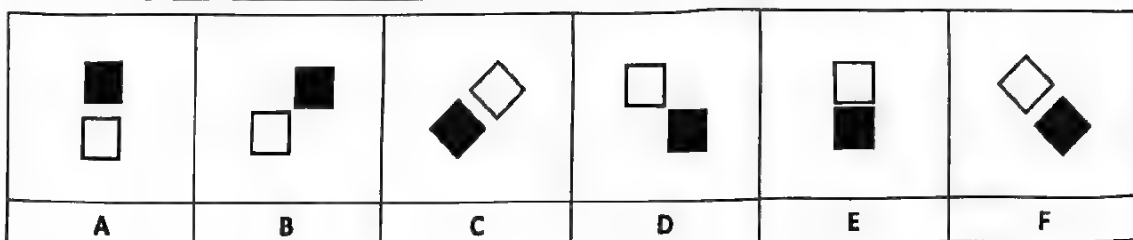
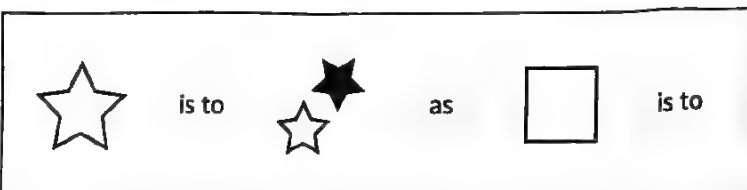
14



15



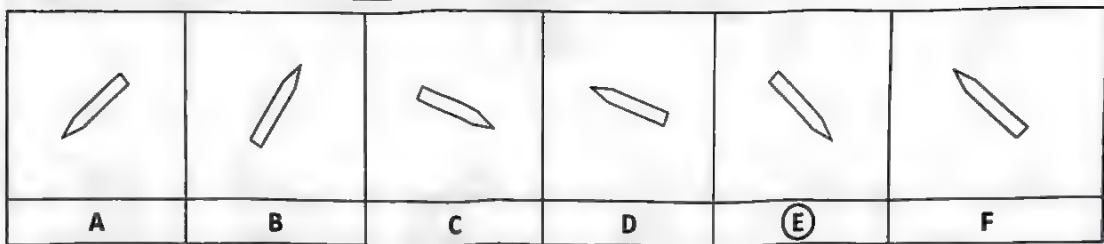
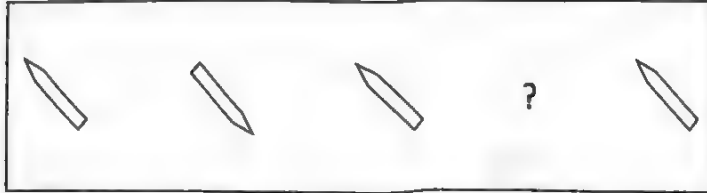
16



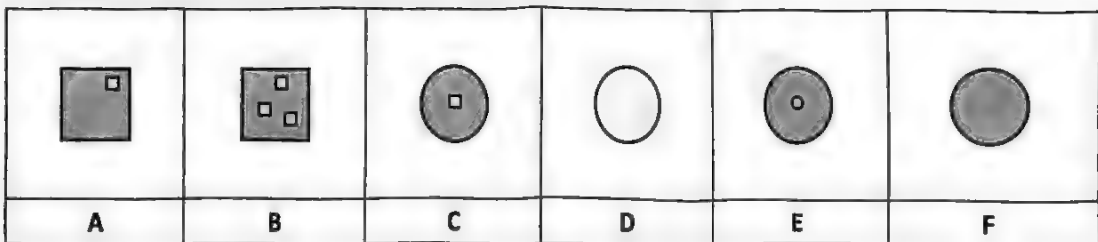
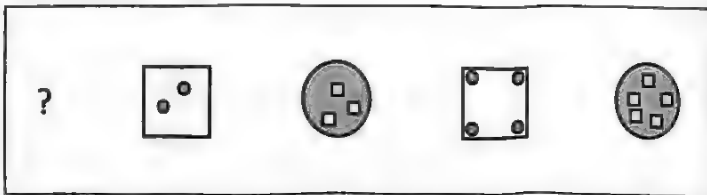
Sequences

Complete the sequence. Circle one of the options A-F.

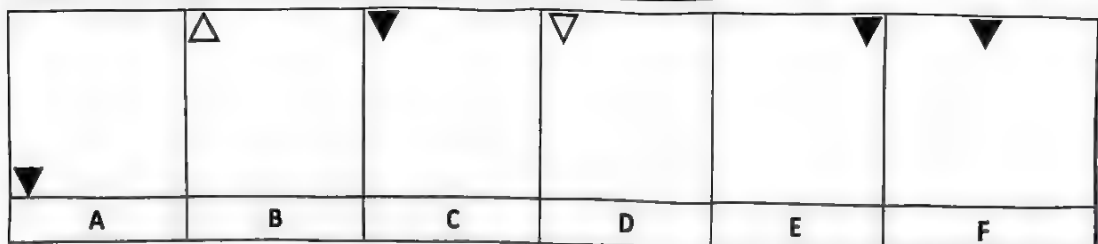
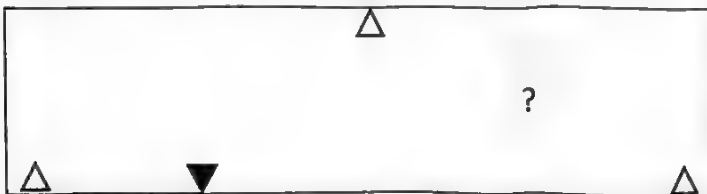
Example



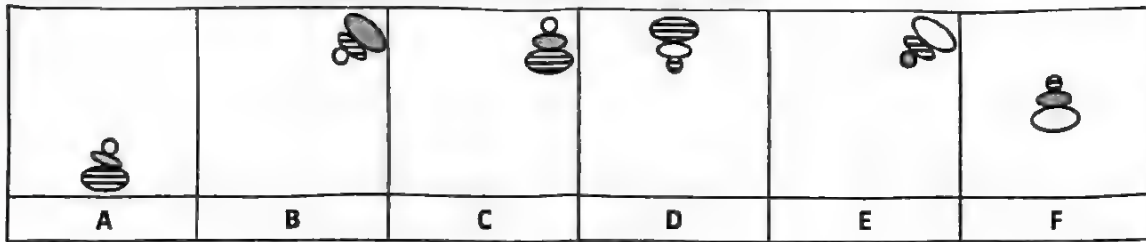
1



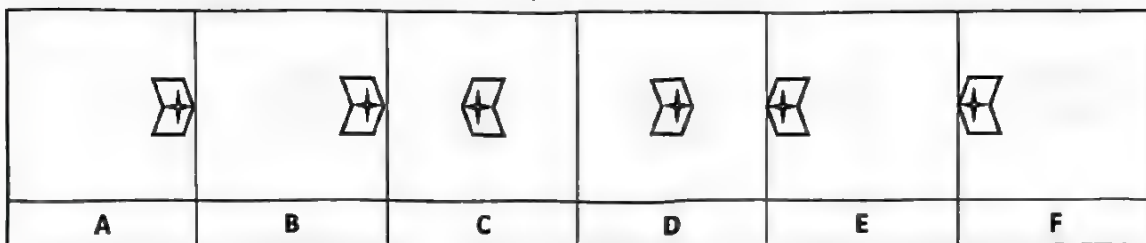
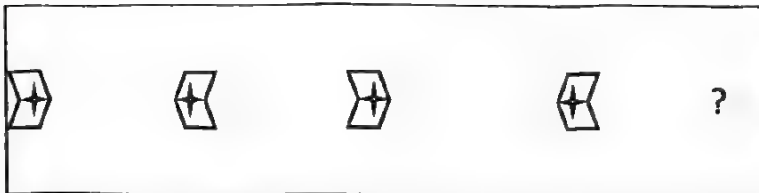
2



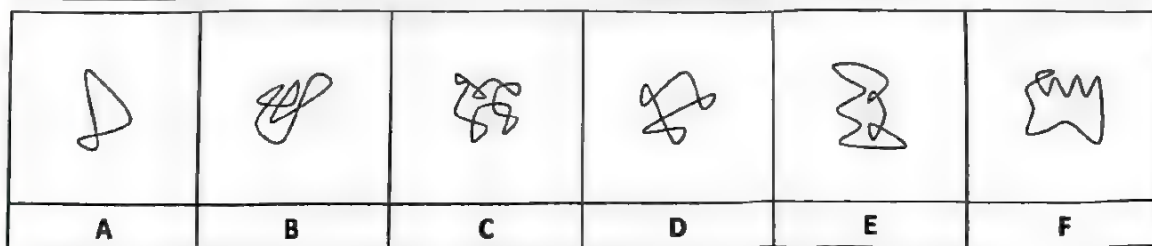
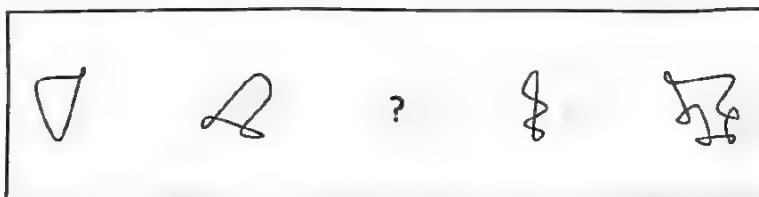
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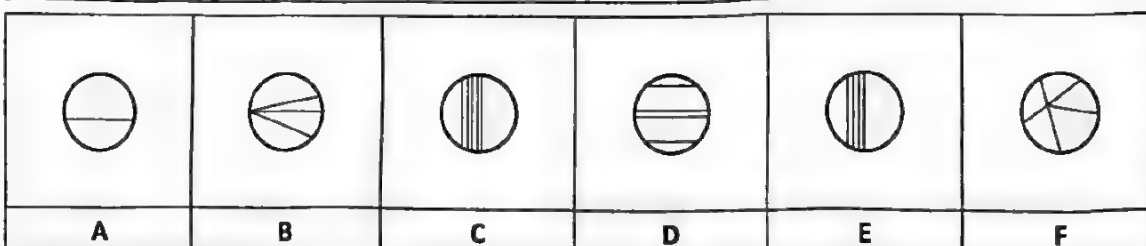
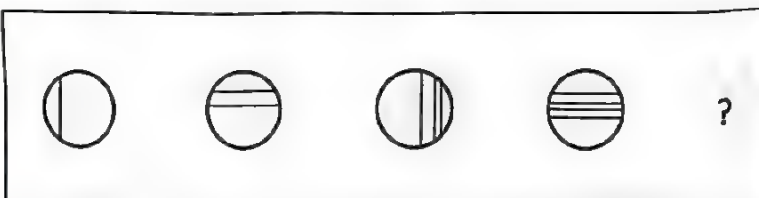
4



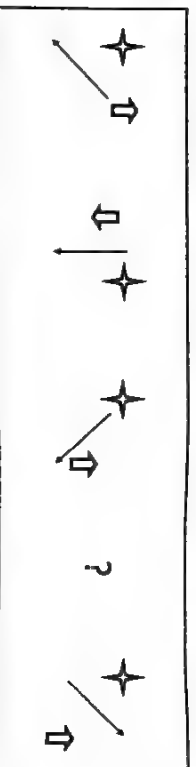
5



6

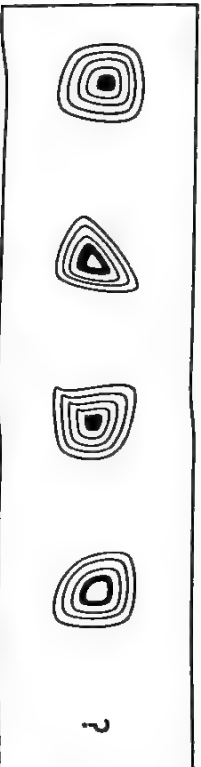


7



A	B	C	D	E	F

8



A	B	C	D	E	F

9



A	B	C	D	E	F

10



A	B	C	D	E	F

11



?



A



B



C



D



E



F

12



?



A



B



C



D



E



F

13



?



A



B



C



D



E



F

14



?



A



B



C



D



E



F

15



?



A

B

C

D

E

F

16



?



A

B

C

D

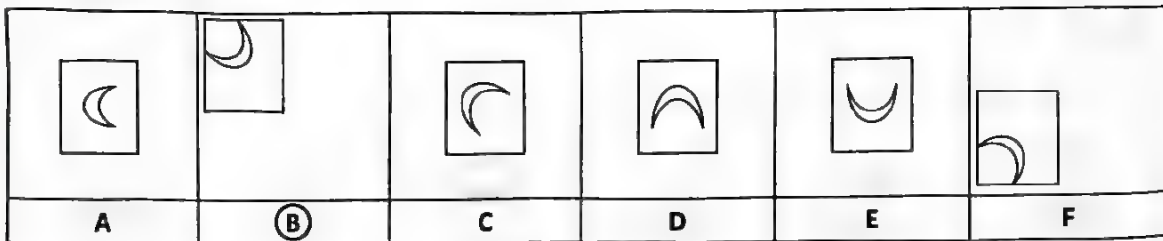
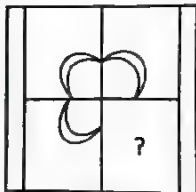
E

F

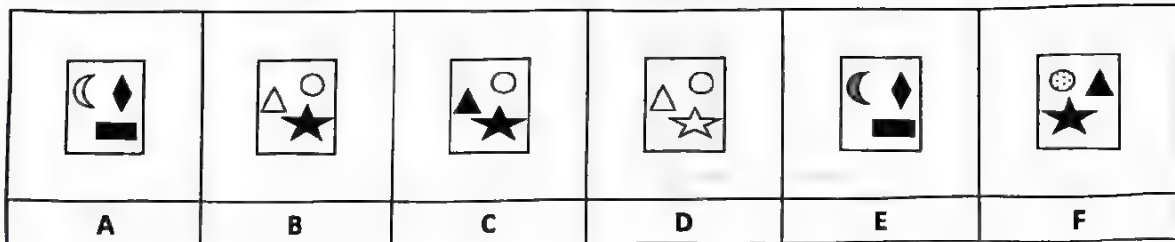
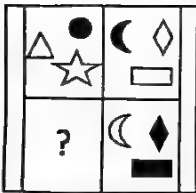
Grids

Find the correct shape to complete the matrices. Circle one of the options A–F.

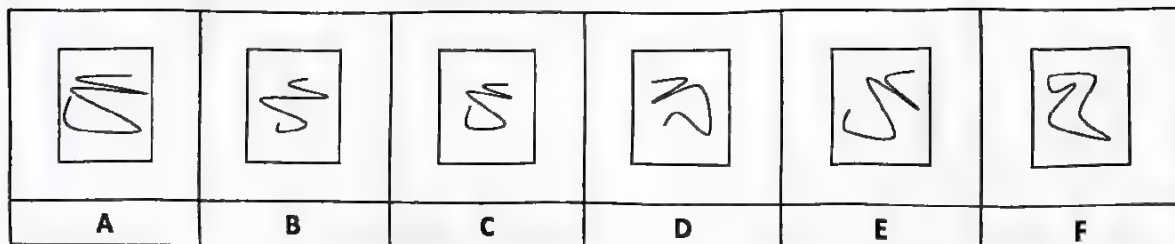
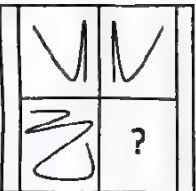
Example



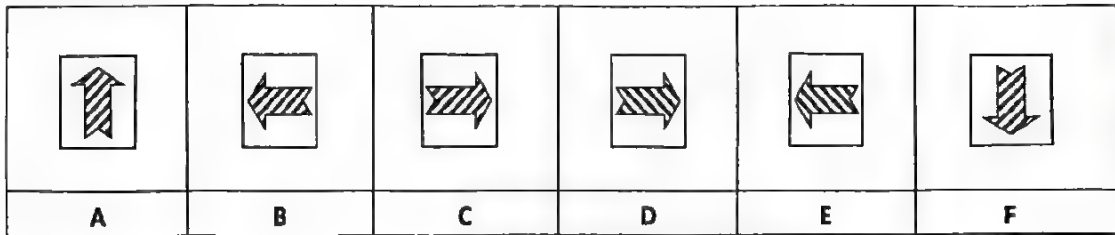
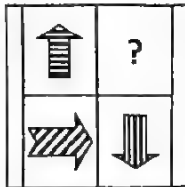
1



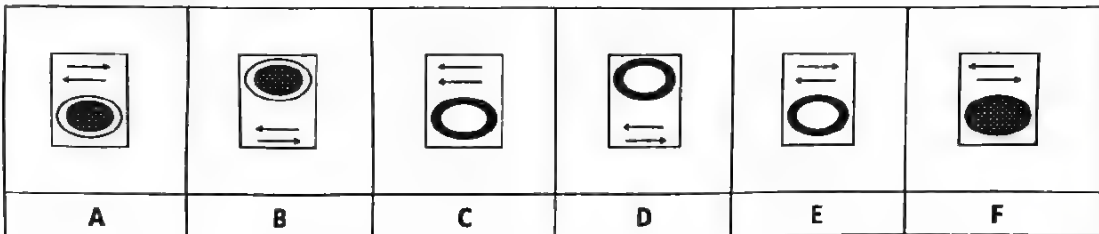
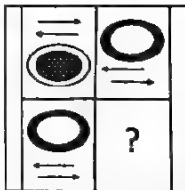
2



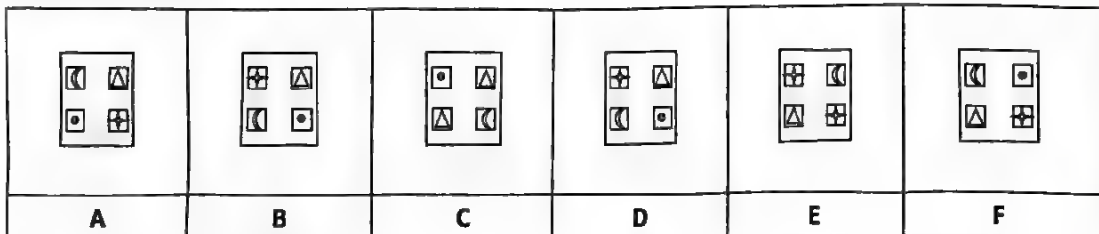
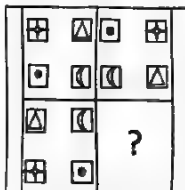
3



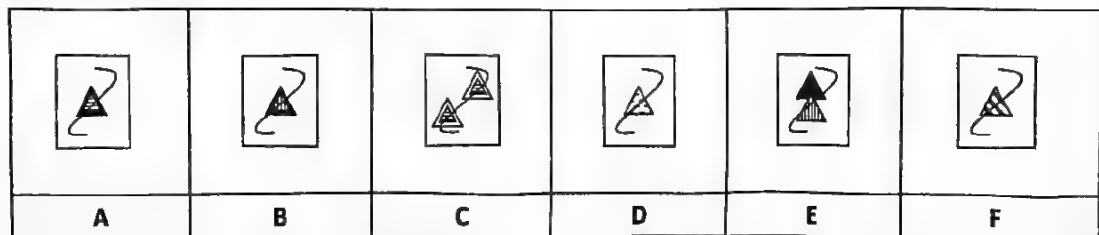
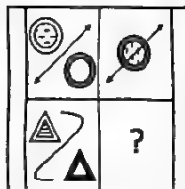
4



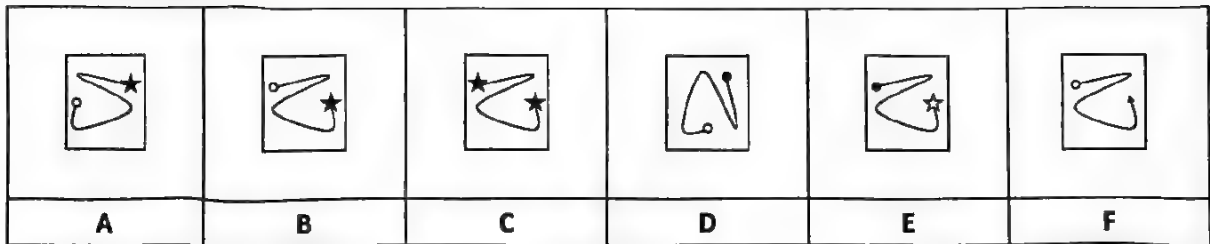
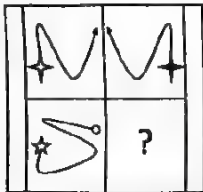
5



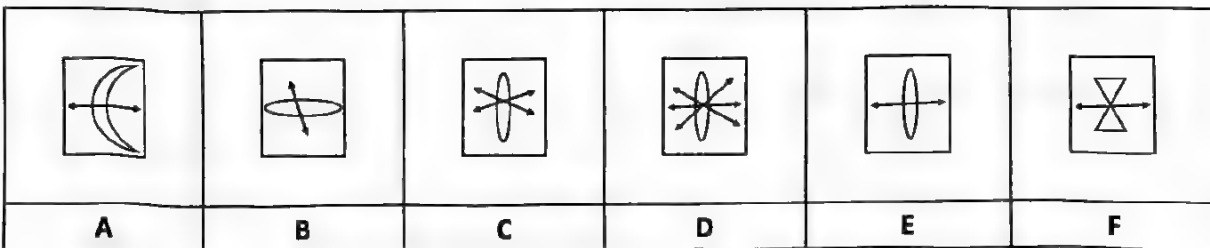
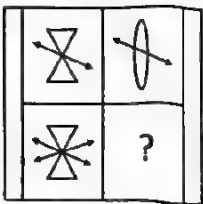
6



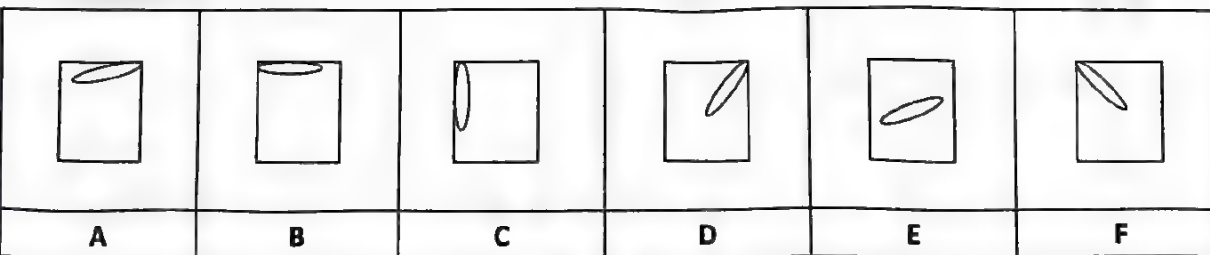
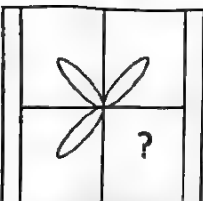
7



8



9



10

?		

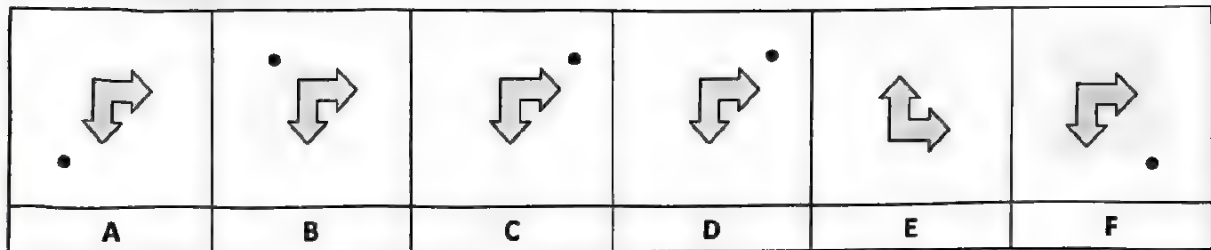
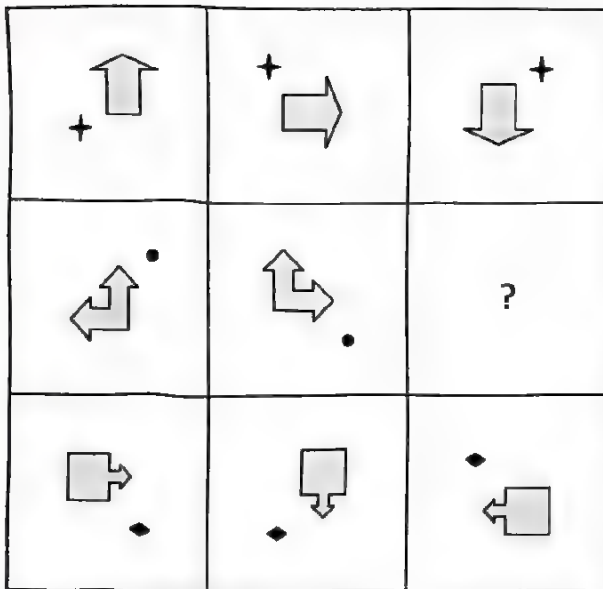
A	B	C	D	E	F

11

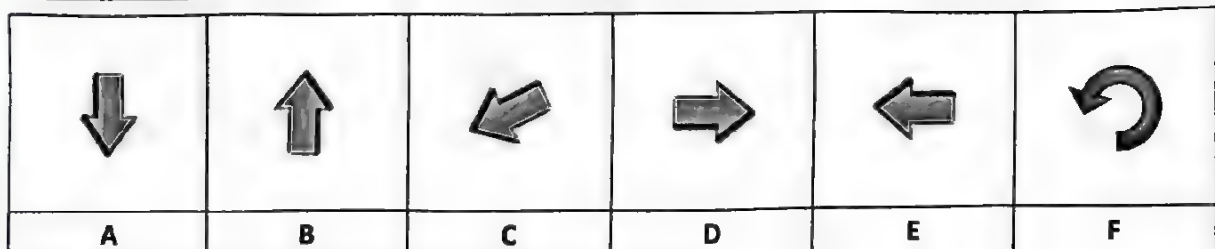
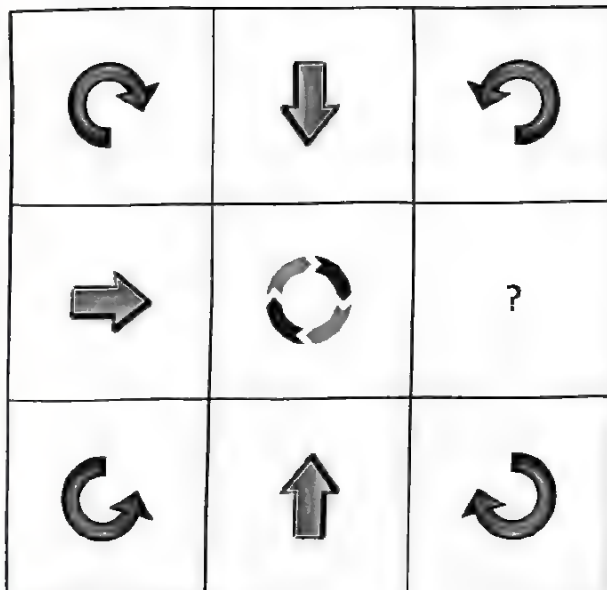
		?

A	B	C	D	E	F

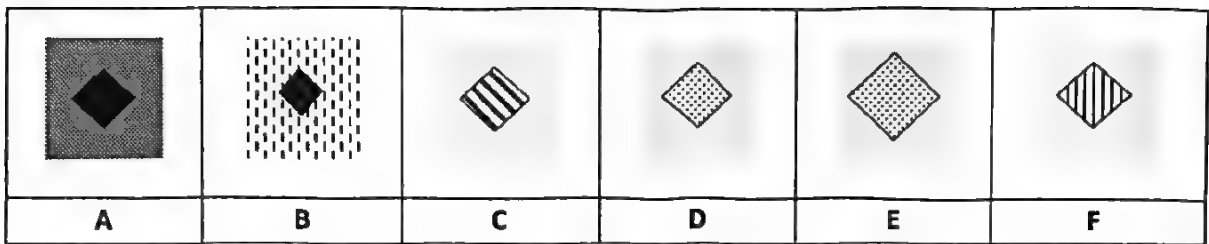
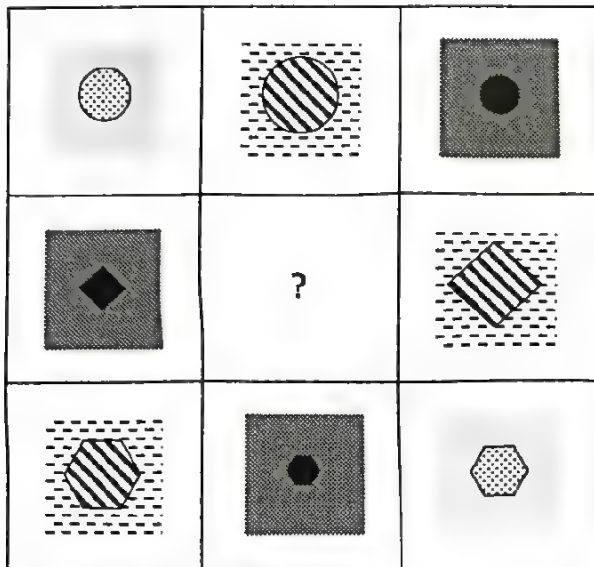
12



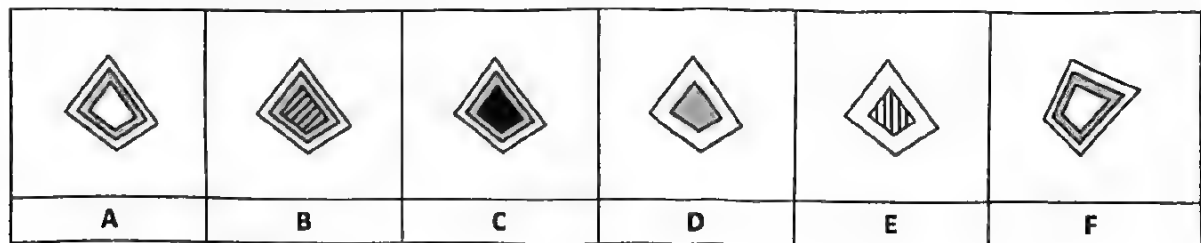
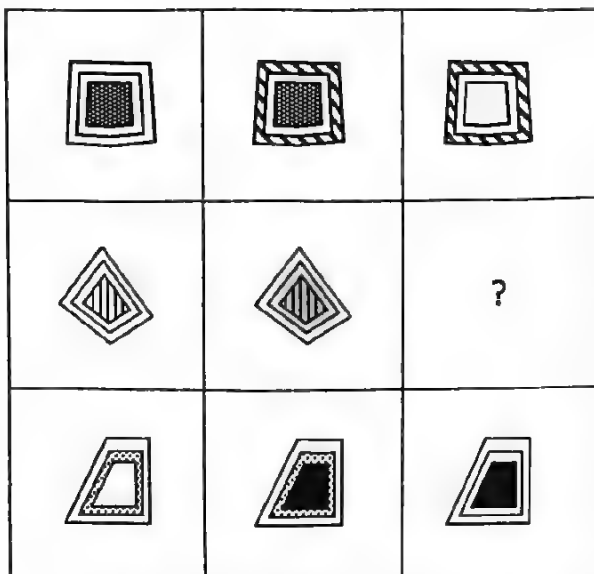
13



14



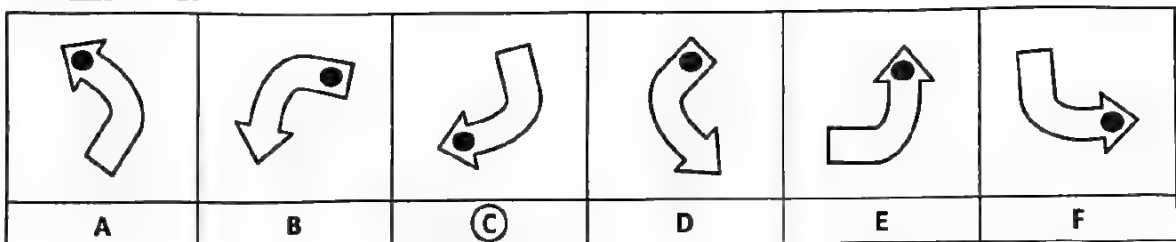
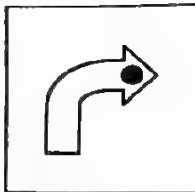
15



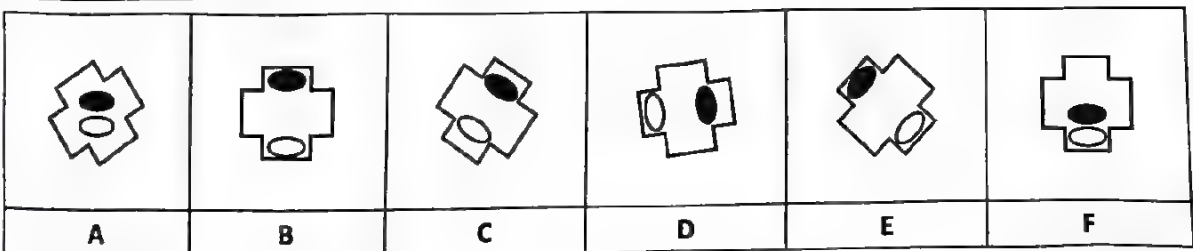
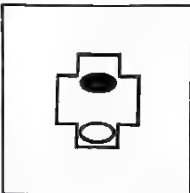
Rotations

Find the shape that can be rotated to make the top figure on the left. Circle one of the options A–F.

Example



1

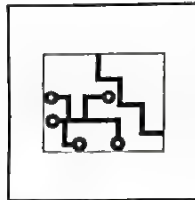


2



A		B		C		D		E		F	
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3



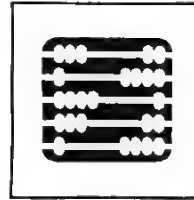
A		B		C		D		E		F	
---	--	---	--	---	--	---	--	---	--	---	--

4

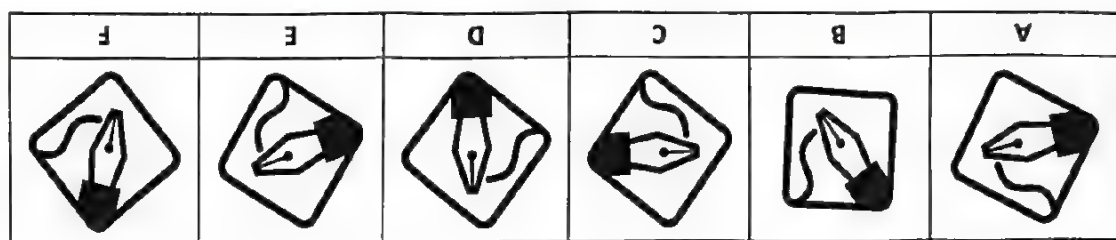


A		B		C		D		E		F	
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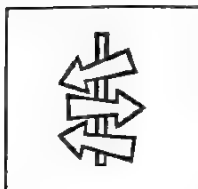
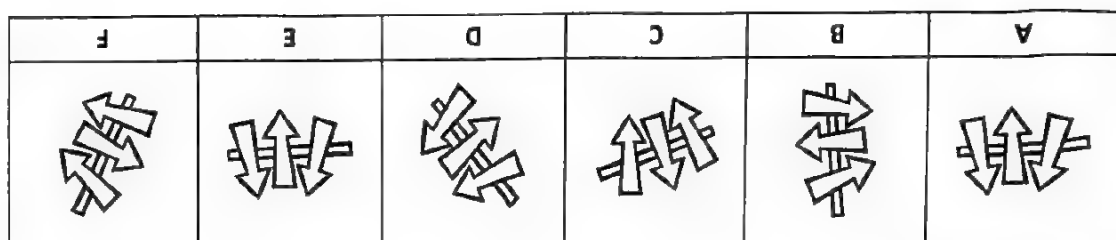
5



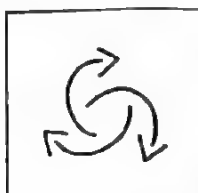
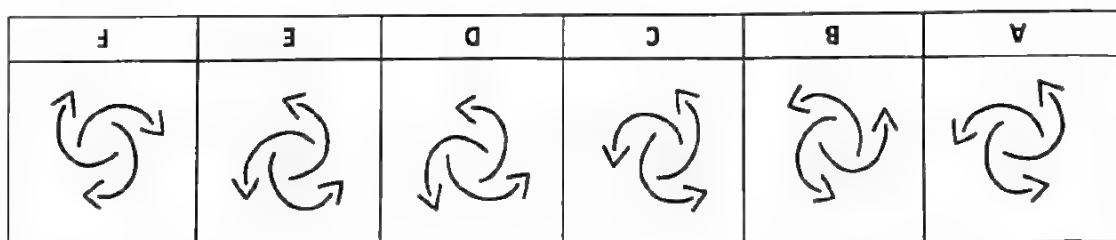
A		B		C		D		E		F	
---	--	---	--	---	--	---	--	---	--	---	--



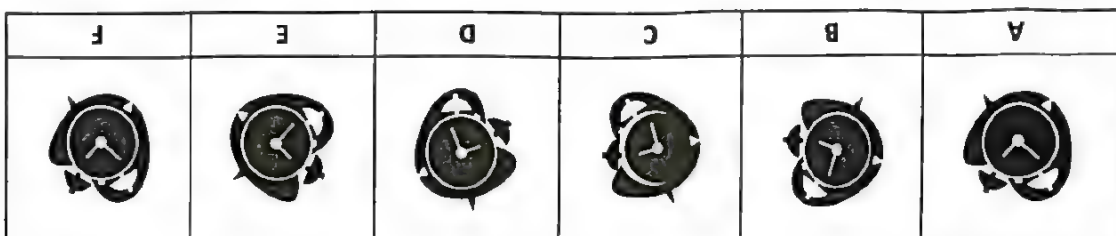
9



8

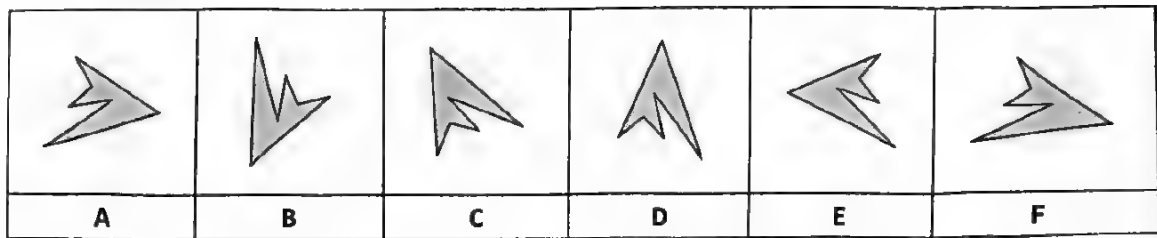
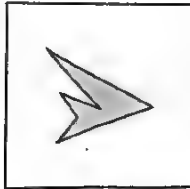


7

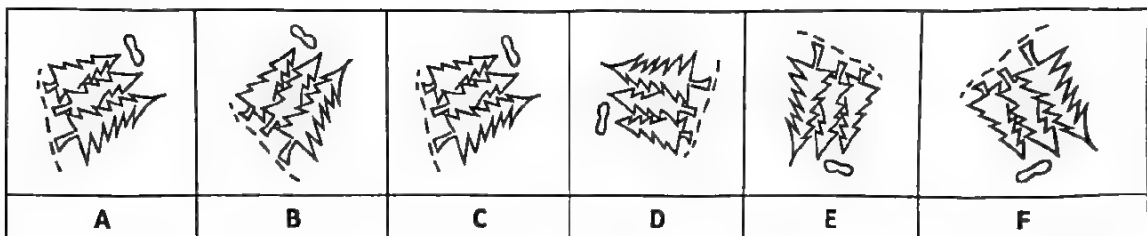


6

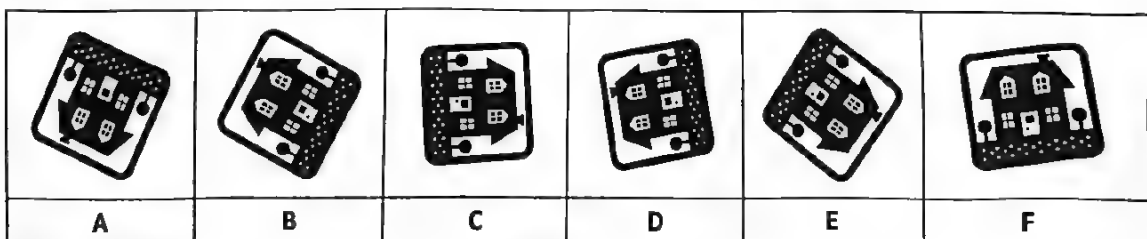
10



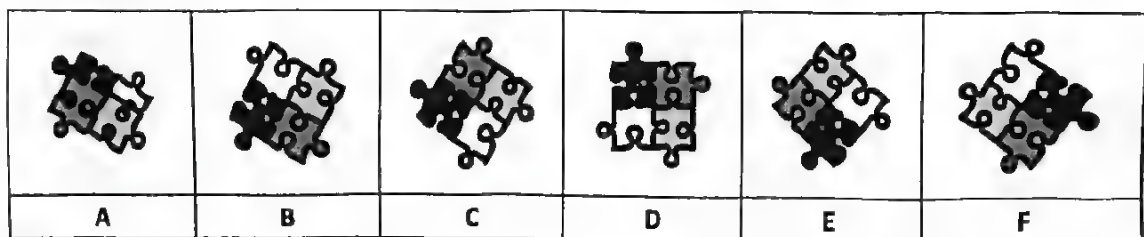
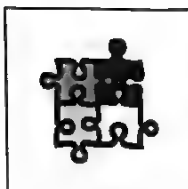
11



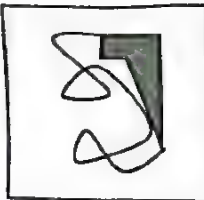
12



13

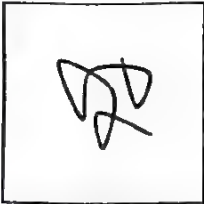


14



A	B	C	D	E	F

15

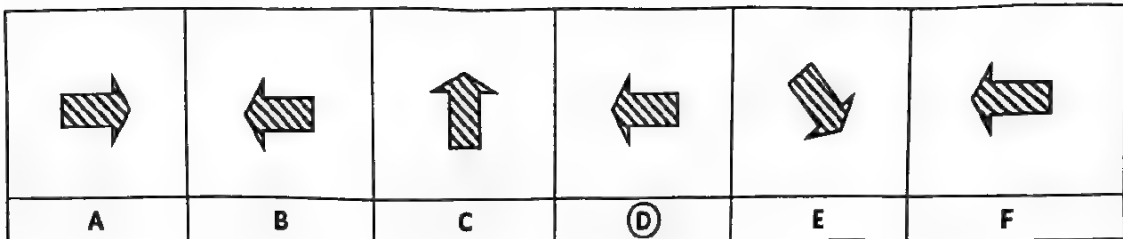


A	B	C	D	E	F

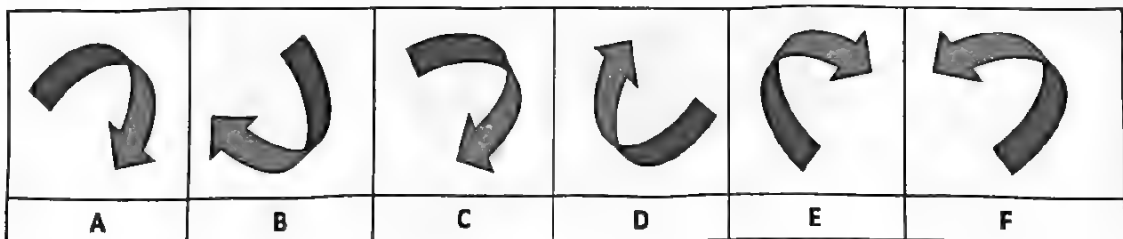
Reflections

Find the shape that is formed when the shape in the top-left box is reflected horizontally. Circle one of the options A–F.

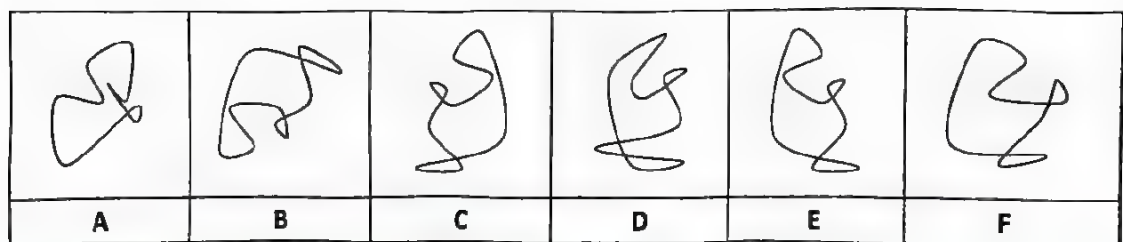
Example



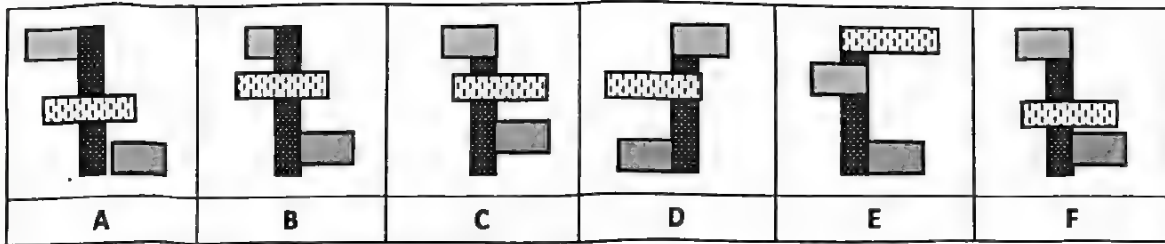
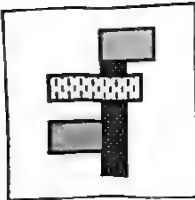
1



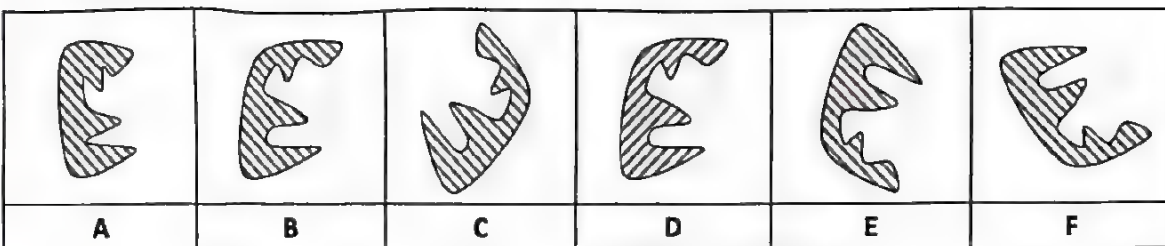
2



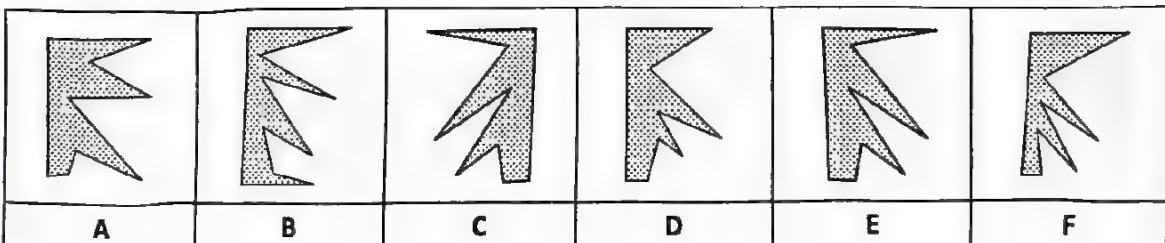
3



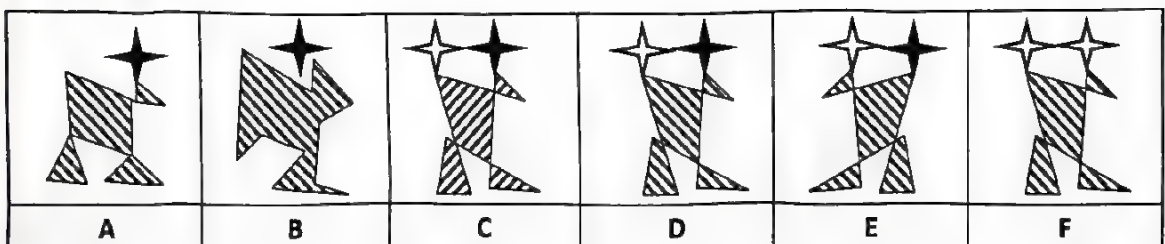
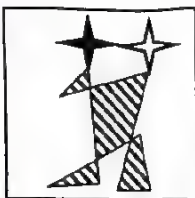
4



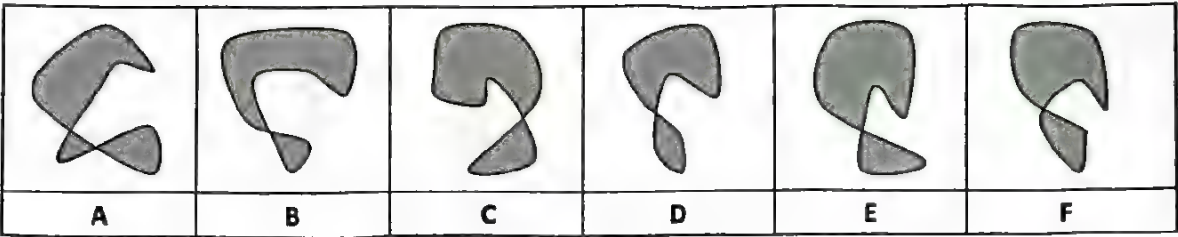
5



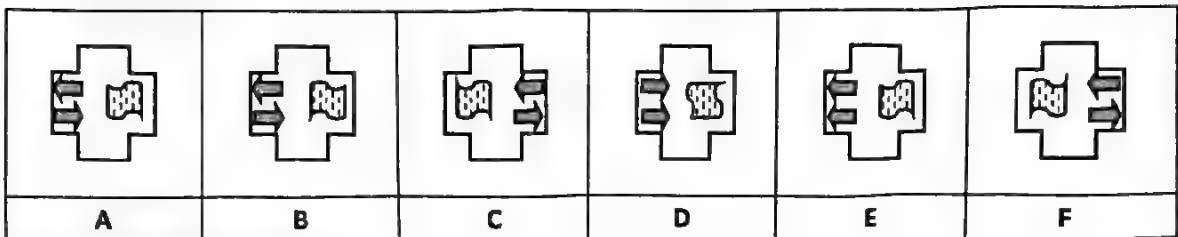
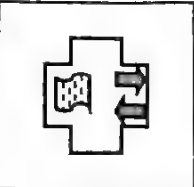
6



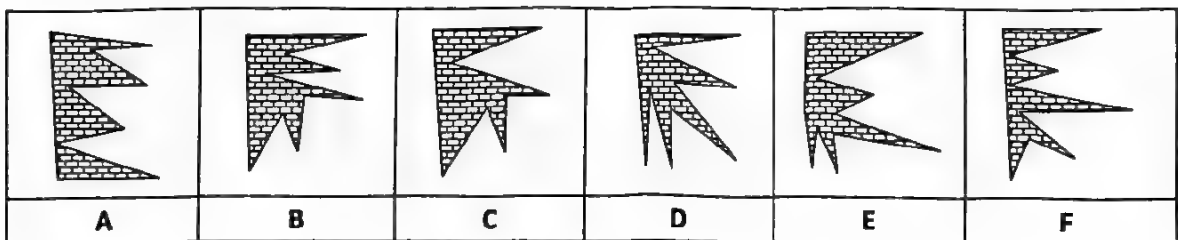
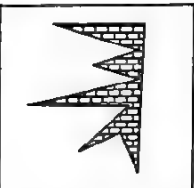
7



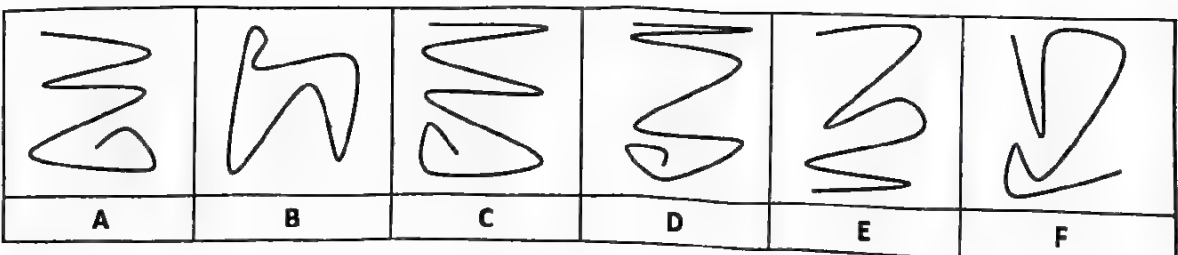
8



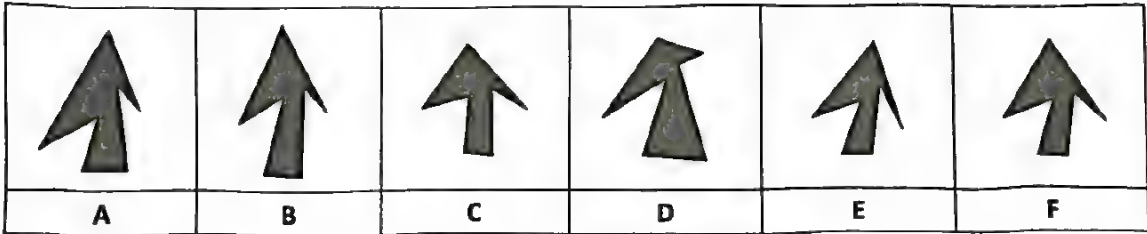
9



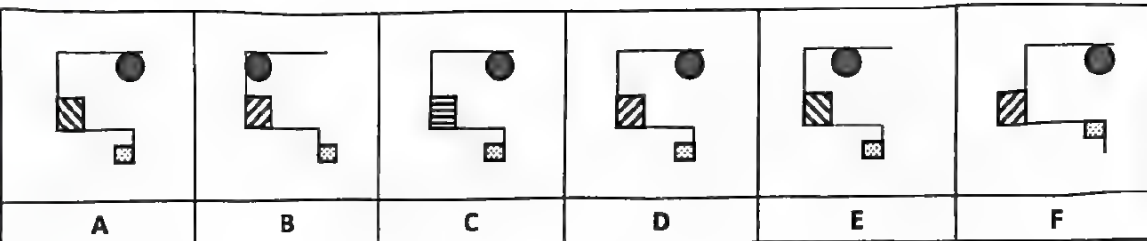
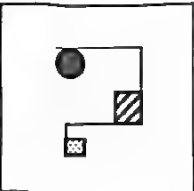
10



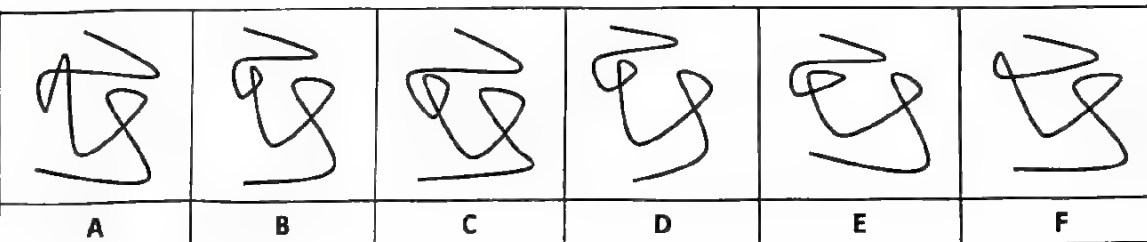
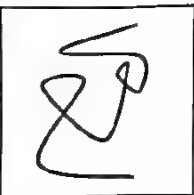
11



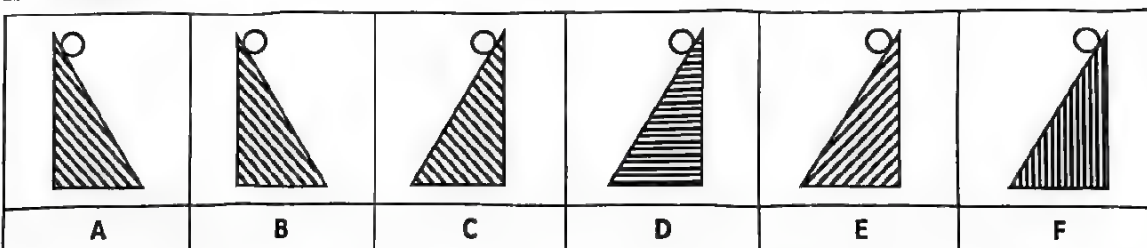
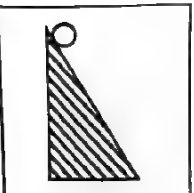
12



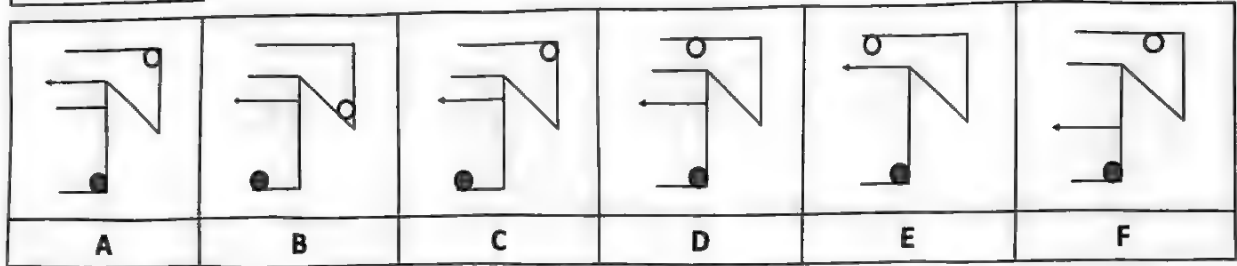
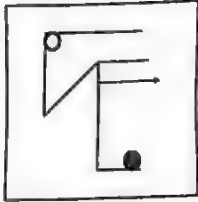
13



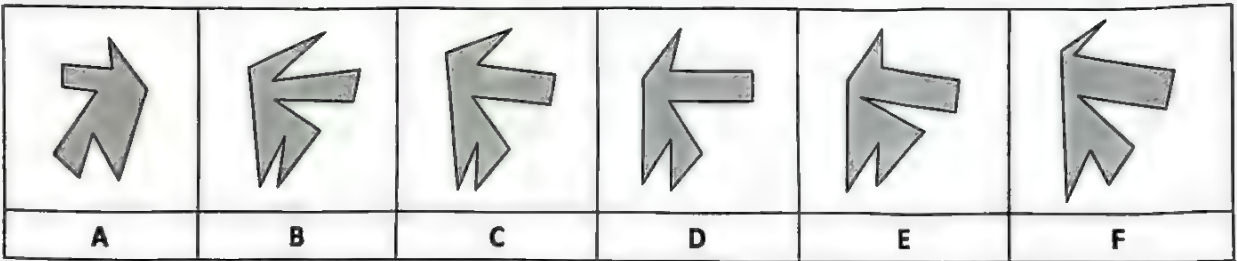
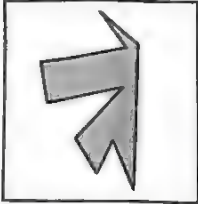
14



15



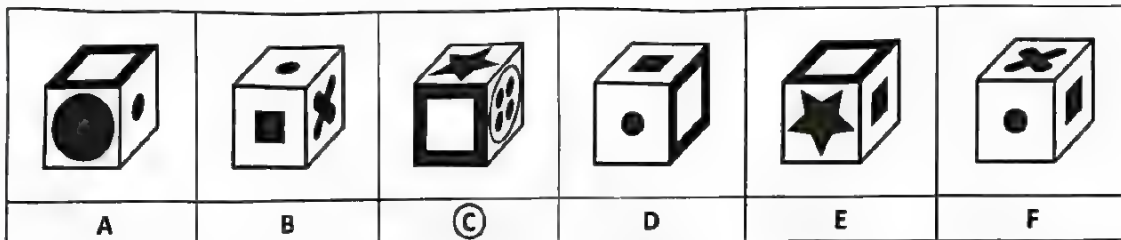
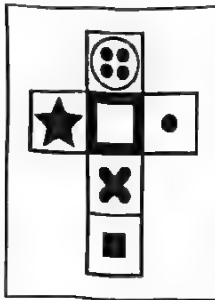
16



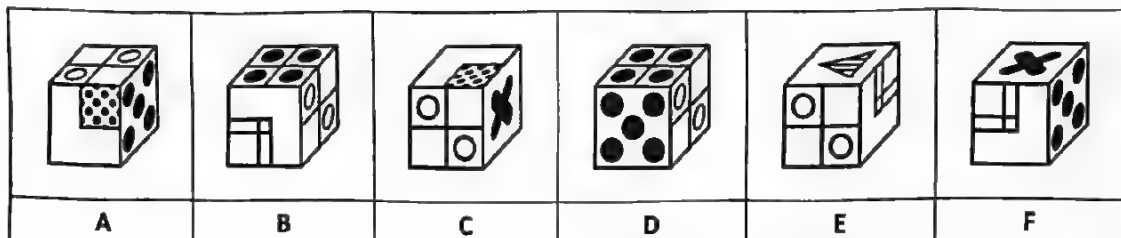
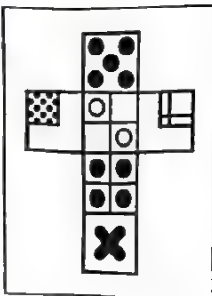
3D and Spatial Reasoning

Which cube matches the net? Circle one of the options A–F.

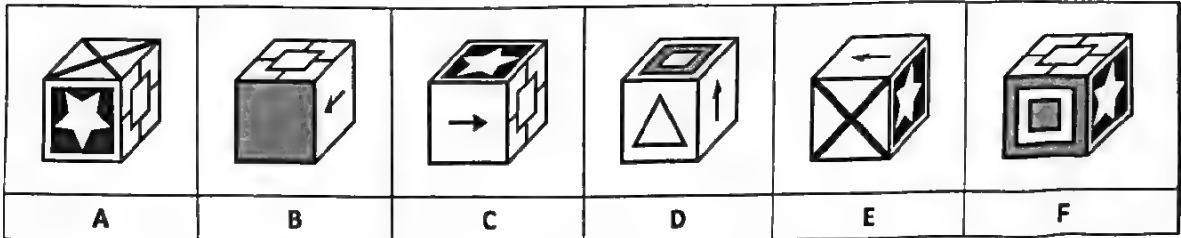
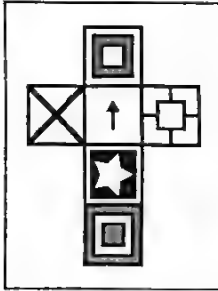
Example



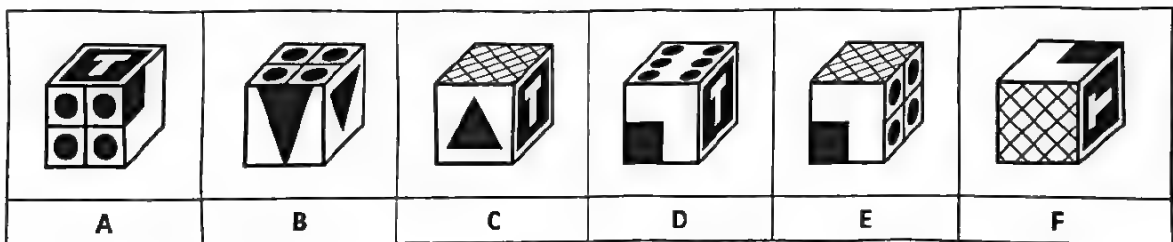
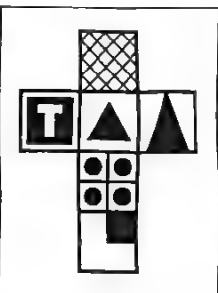
1



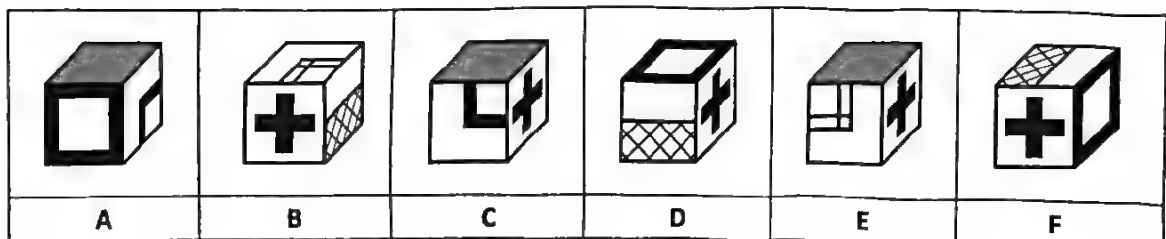
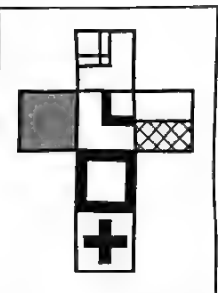
2



3

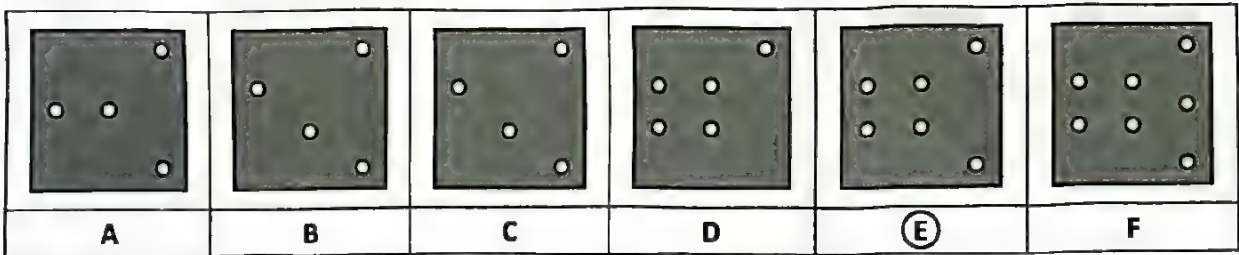
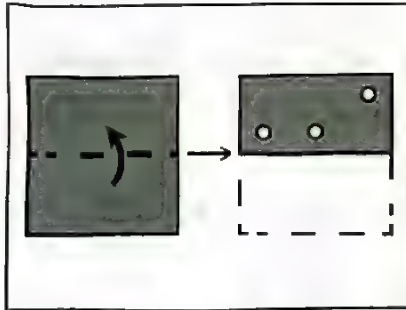


4

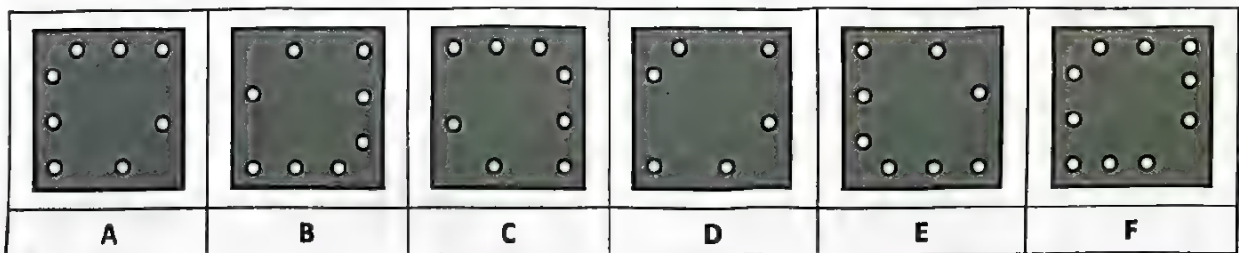
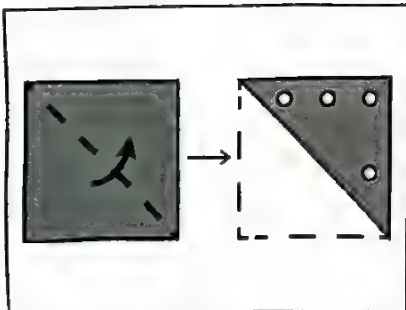


Which square creates the folded shape? Circle one of the options A–F.

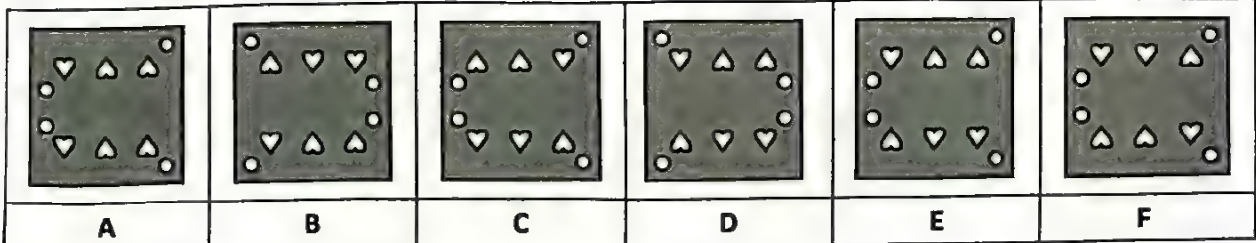
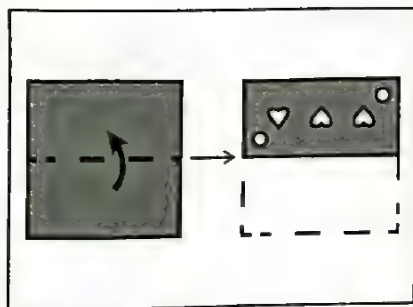
Example



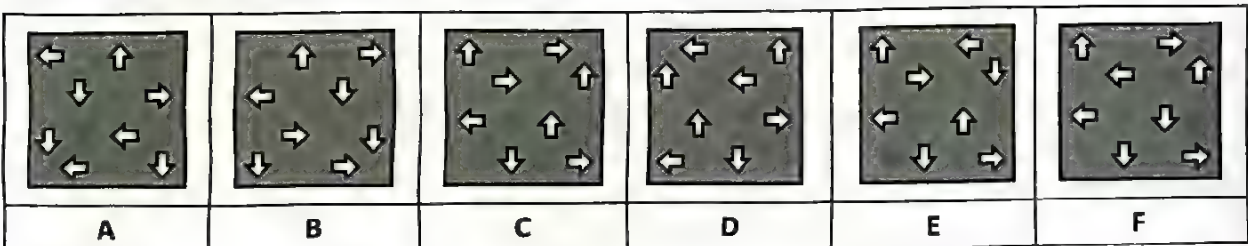
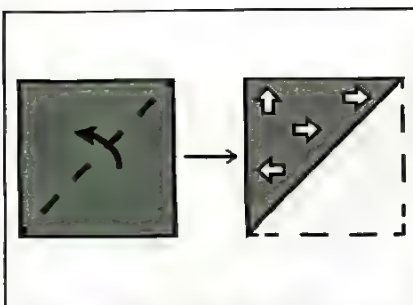
5



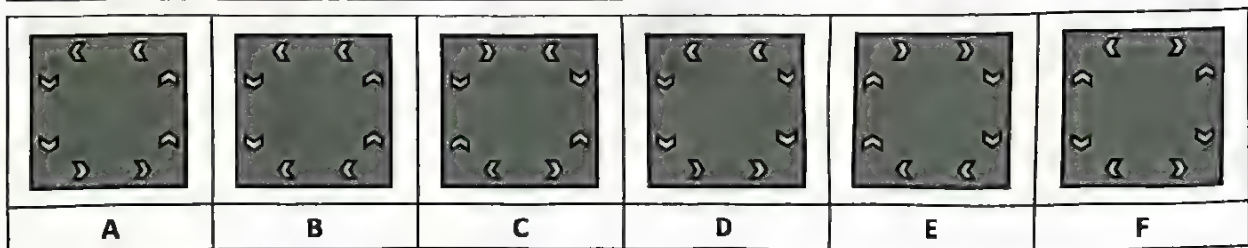
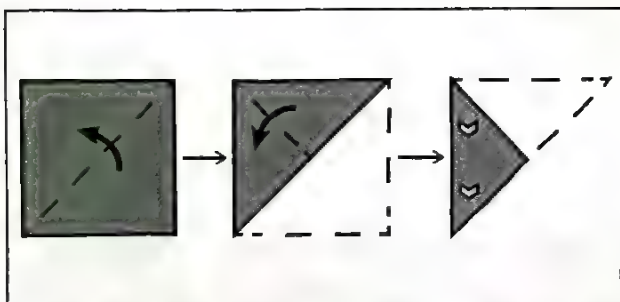
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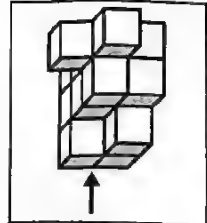
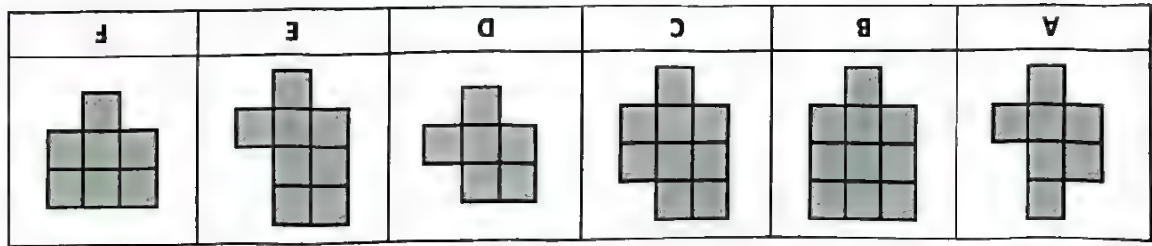


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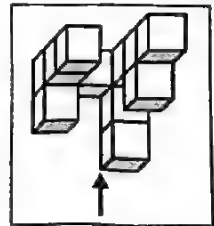
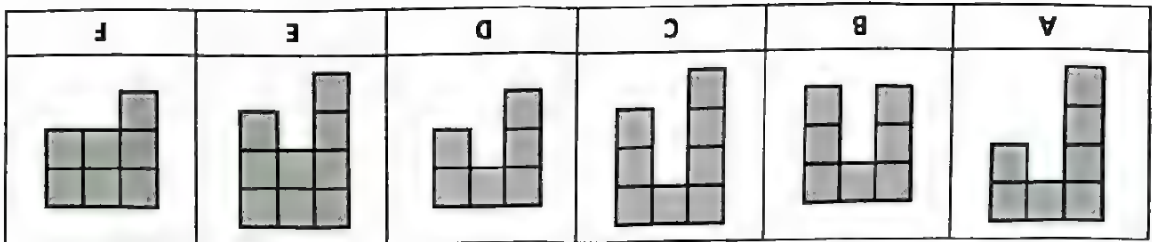


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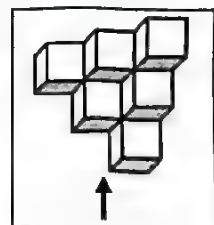
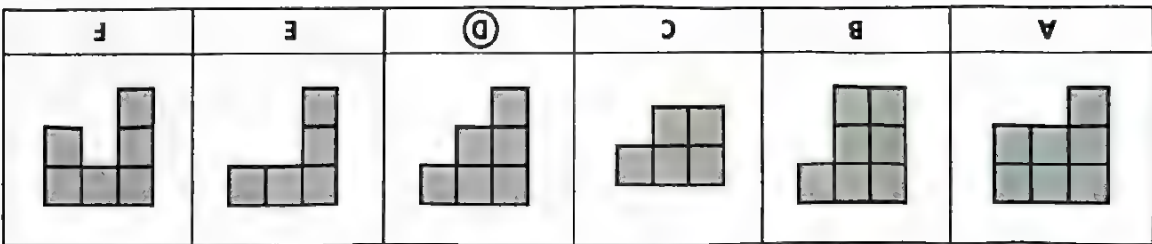




10



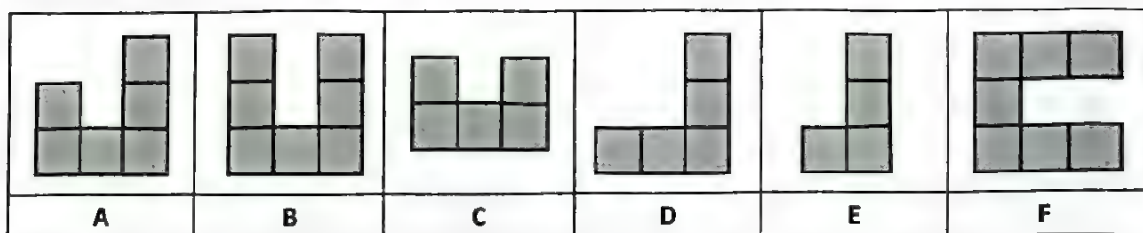
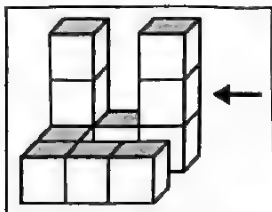
9



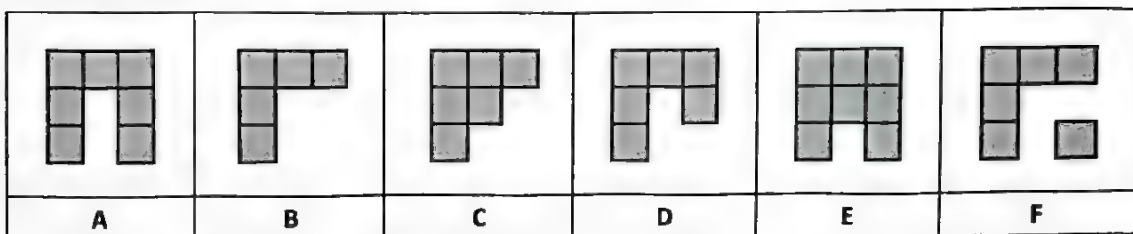
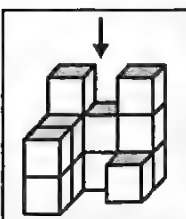
Example

Which 2D plan matches the 3D view? Circle one of the options A-F.

11



12



Codes

In the boxes on the left there are three shapes with code letters. Each letter describes one part of the shape. Work out what each letter is describing. Find the code that describes the shapes or patterns in the fourth box. Circle one of the options A–F.

Example

In the example, B describes the arrow pointing upwards and C describes the arrow pointing to the right. In the bottom boxes, L describes the pattern of stripes pointing to the right, M describes the pattern of stripes pointing to the left and K describes the pattern of black with white dots. Therefore the shape in the fourth box would be B and K.

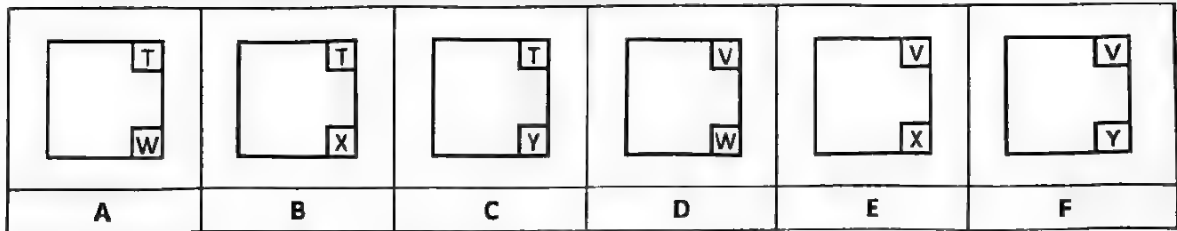
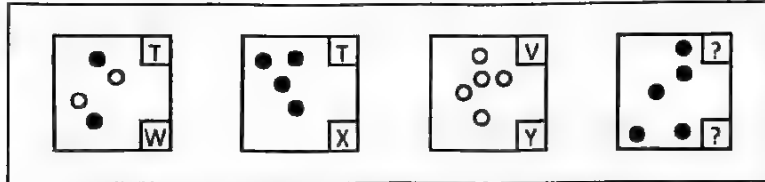
Although the presentation of codes questions varies, the principle for finding the code remains the same.

A	B	C	D	E	F

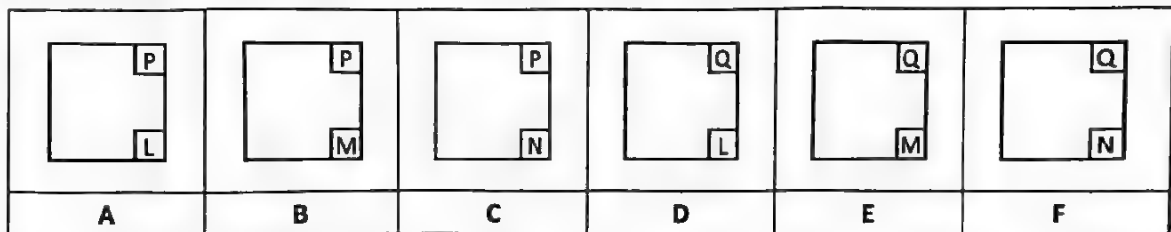
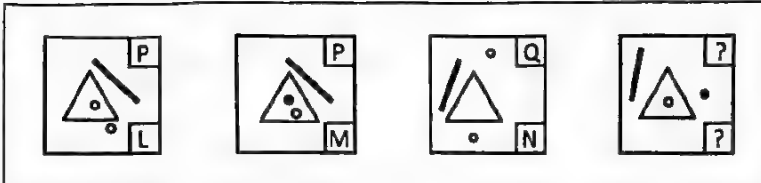
1

A	B	C	D	E	F

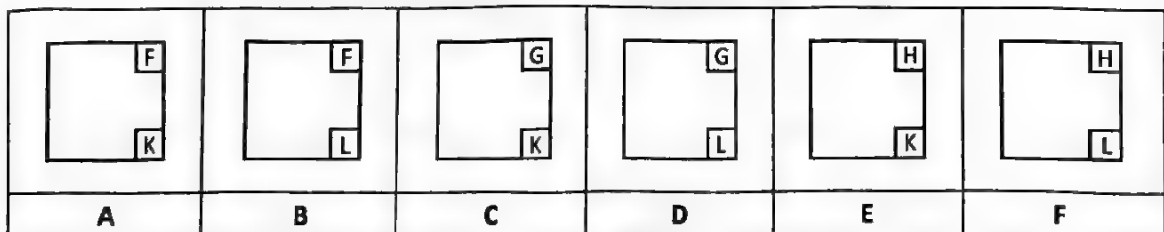
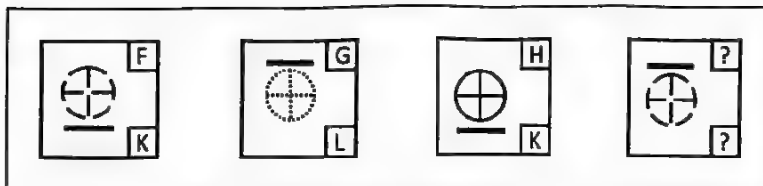
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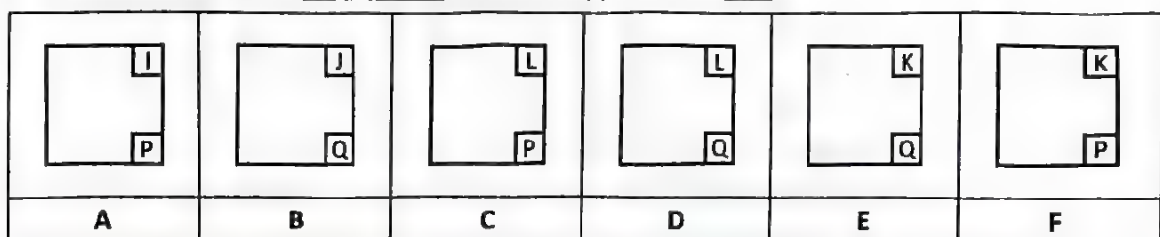
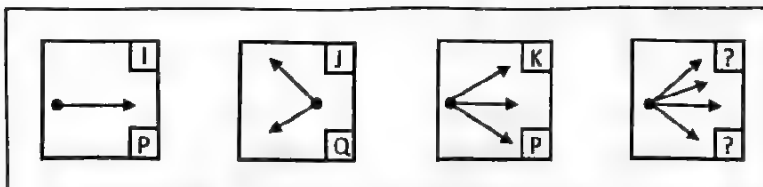
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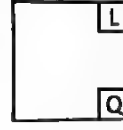
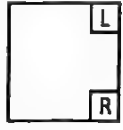
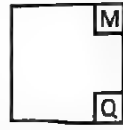
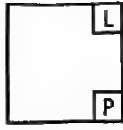
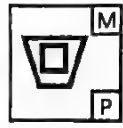
4



5



6



A

B

C

D

E

F

7



LP



LO



?



MP



A



B



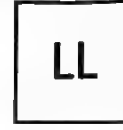
C



D



E



F

8



SU



SV



?



TU



A



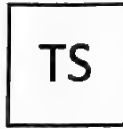
B



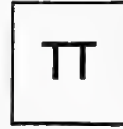
C



D

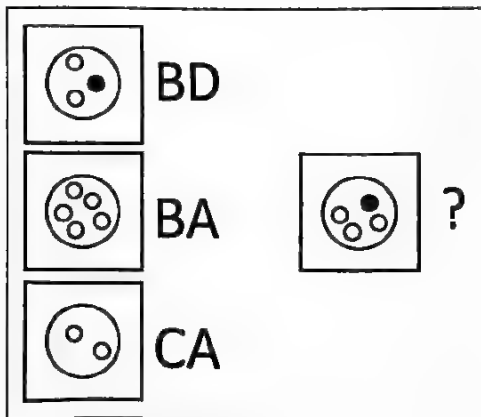


E



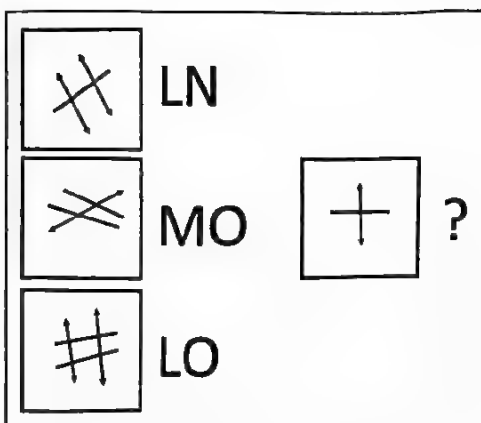
F

9







A	B	C	D	E	F

10





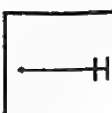

A	B	C	D	E	F

11

	AC	
	BD	 ?
	BE	

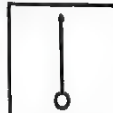



<div>BC</div>	<div>AD</div>	<div>AE</div>	<div>BD</div>	<div>BE</div>	<div>AC</div>
A	B	C	D	E	F

12

	PR	
	PS	 ?
	QT	

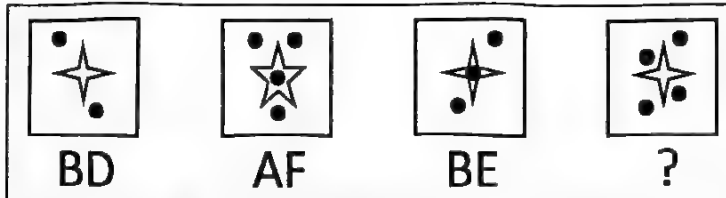
<div>PT</div>	<div>PT</div>	<div>QR</div>	<div>QT</div>	<div>PP</div>	<div>QS</div>
A	B	C	D	E	F

13

			
DW	EX	DY	?

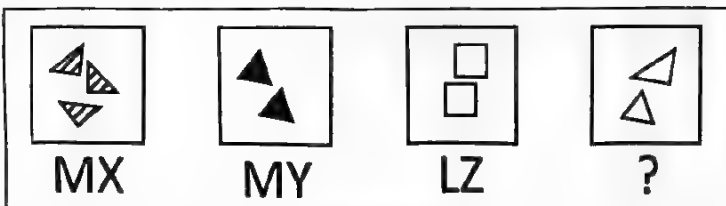
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A	B	C	D	E	F

14



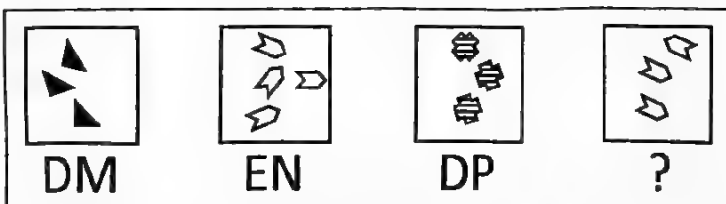
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A	B	C	D	E	F

15



<div>MX</div>	<div>LX</div>	<div>MY</div>	<div>LZ</div>	<div>MZ</div>	<div>LY</div>
A	B	C	D	E	F

16



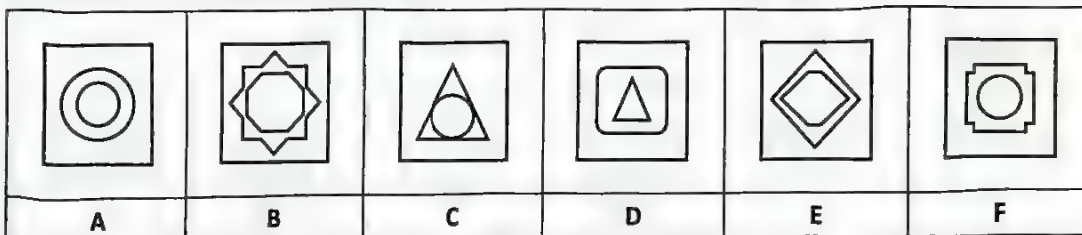
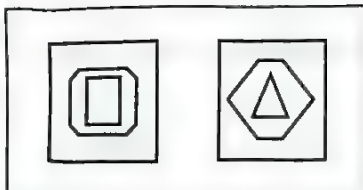
<div>EM</div>	<div>DN</div>	<div>FN</div>	<div>EN</div>	<div>DP</div>	<div>FP</div>
A	B	C	D	E	F

Mixed Test 1

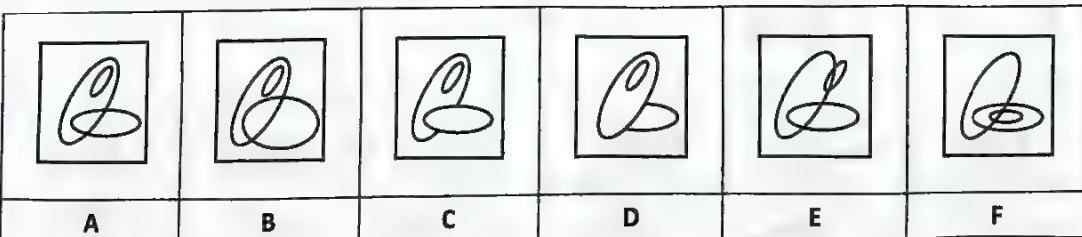
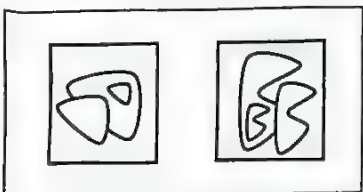
For each question, circle one of the answers A-F.

1

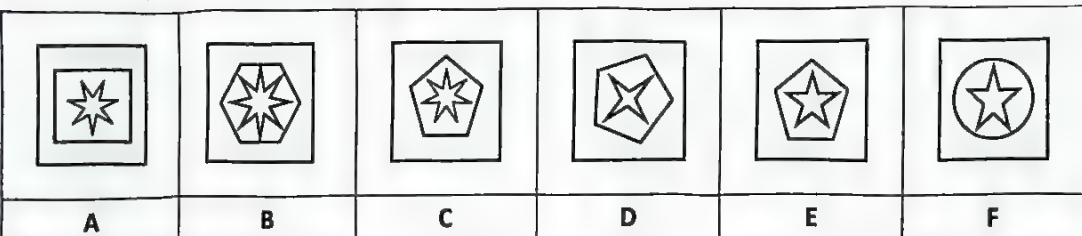
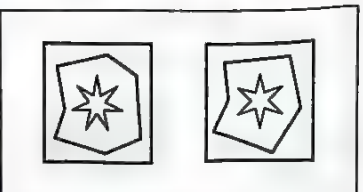
SIMILARITIES



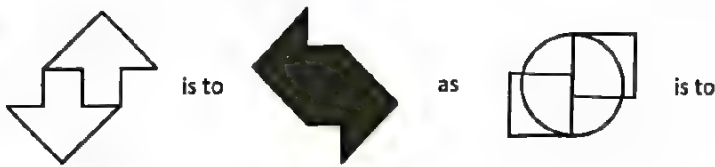
2



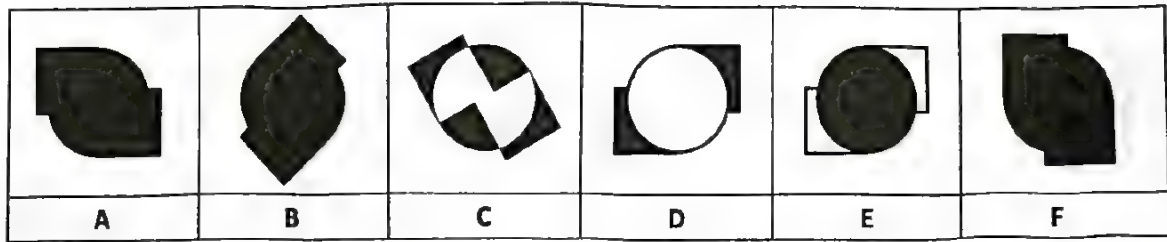
3



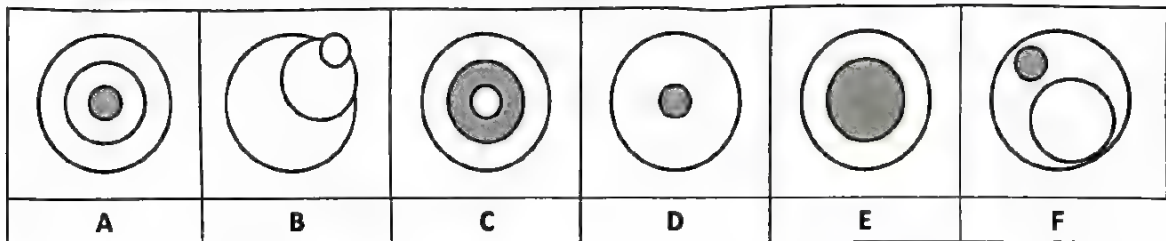
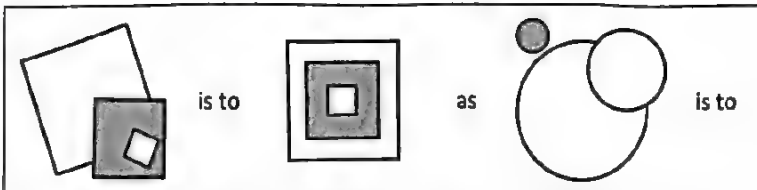
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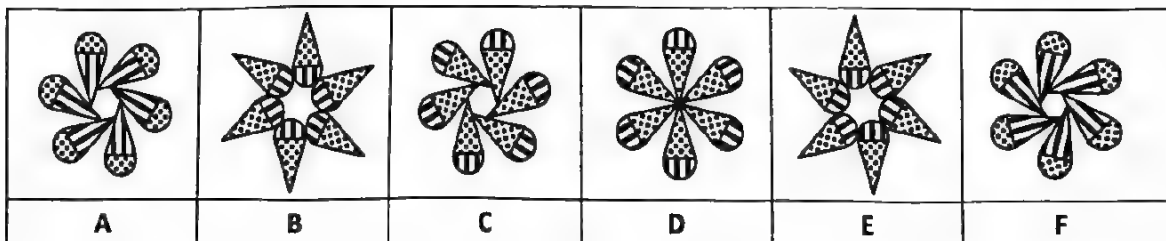
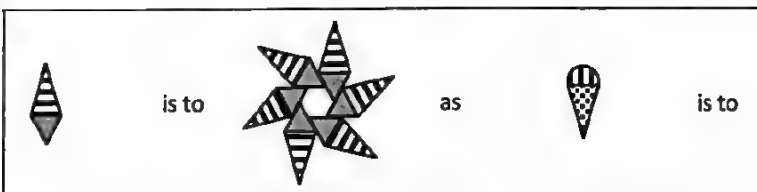
ANALOGIES



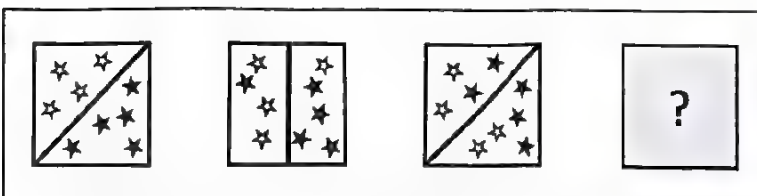
5



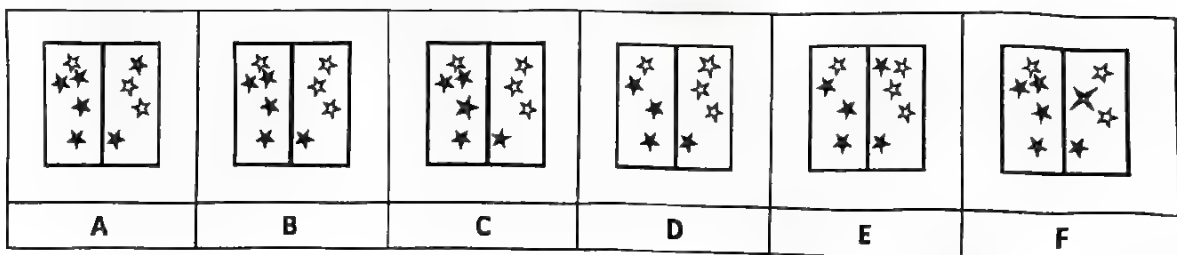
6



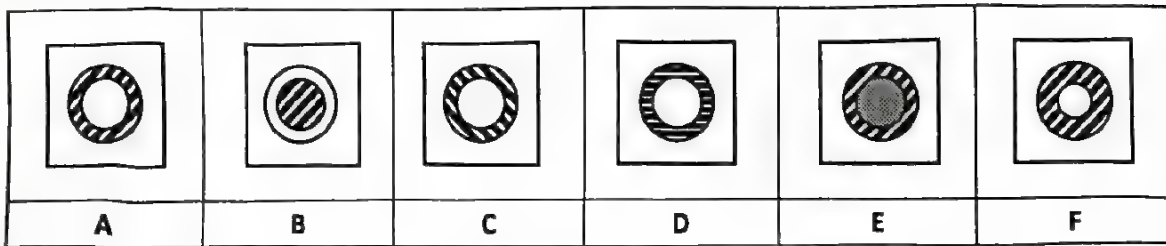
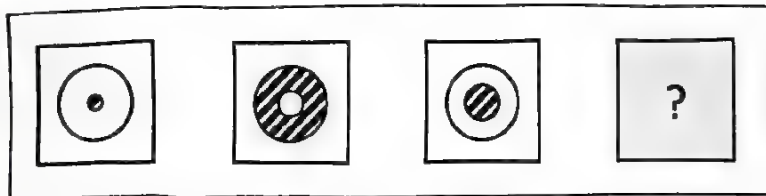
7



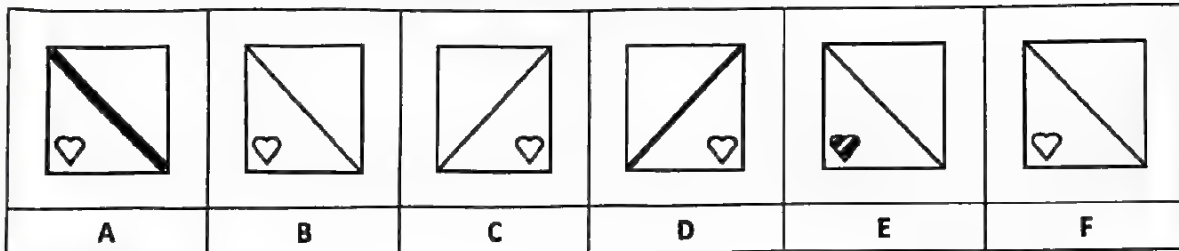
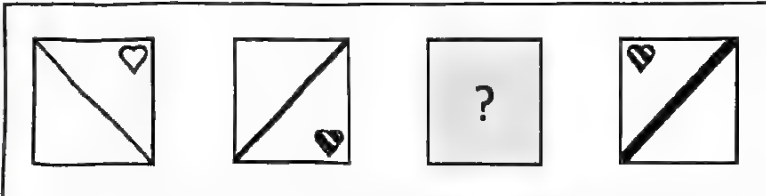
SEQUENCES



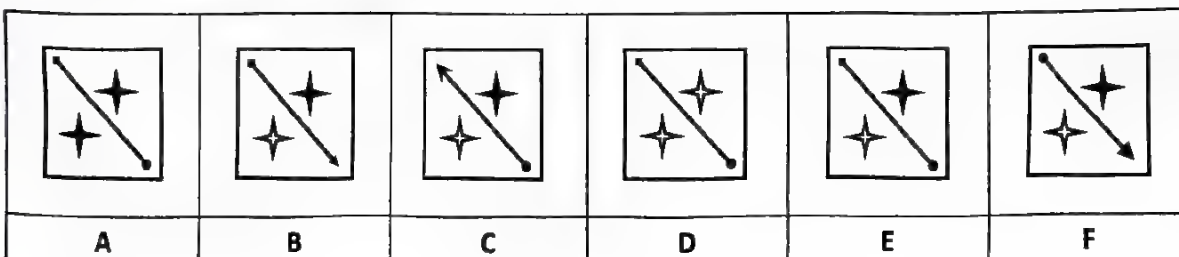
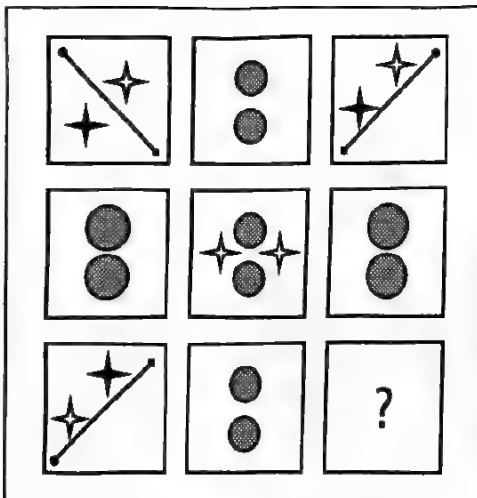
8



9

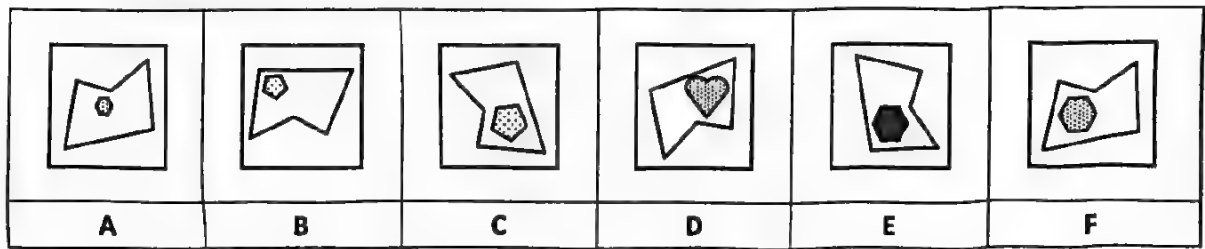
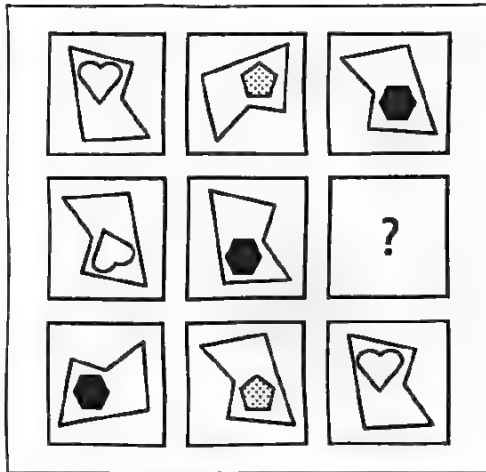


10

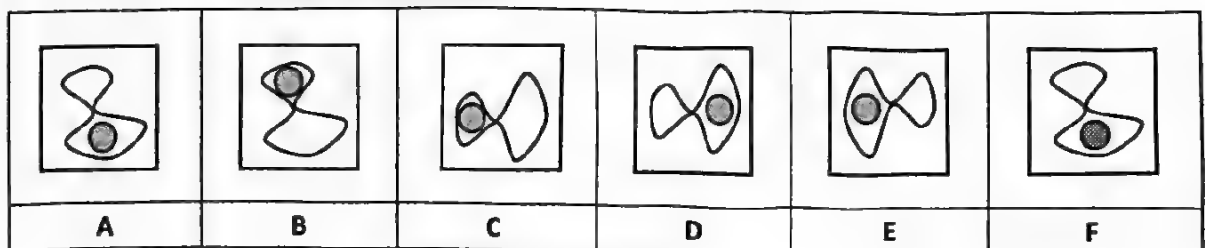
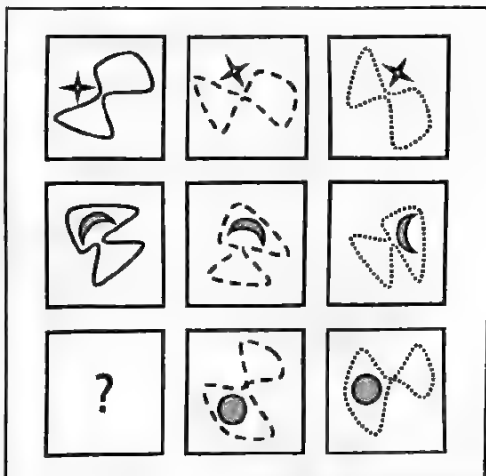


GRIDS

11

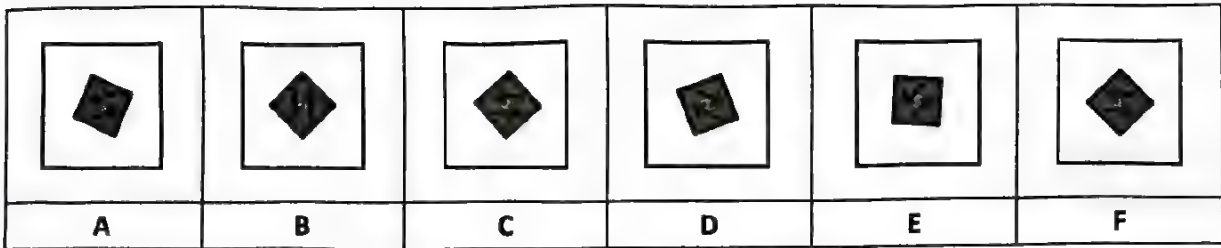
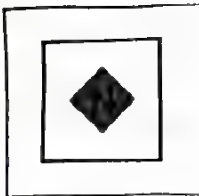


12

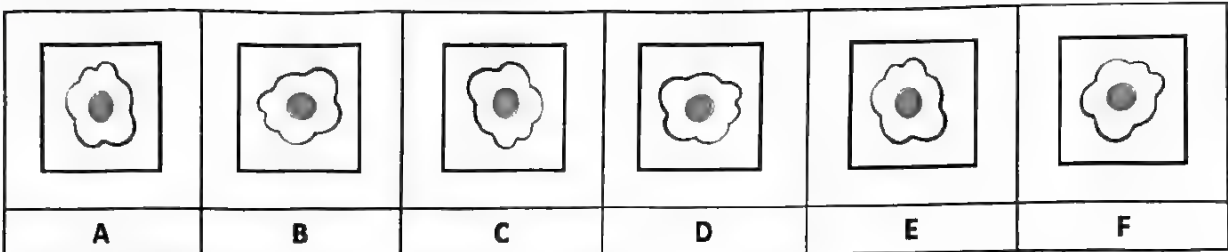
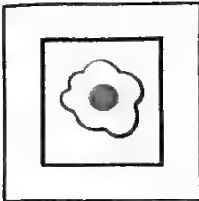


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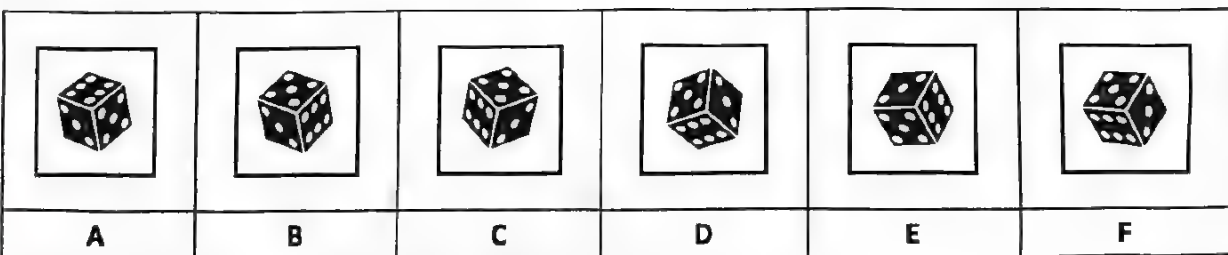
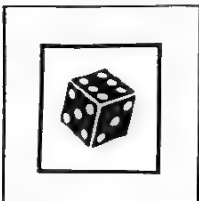
ROTATIONS



14

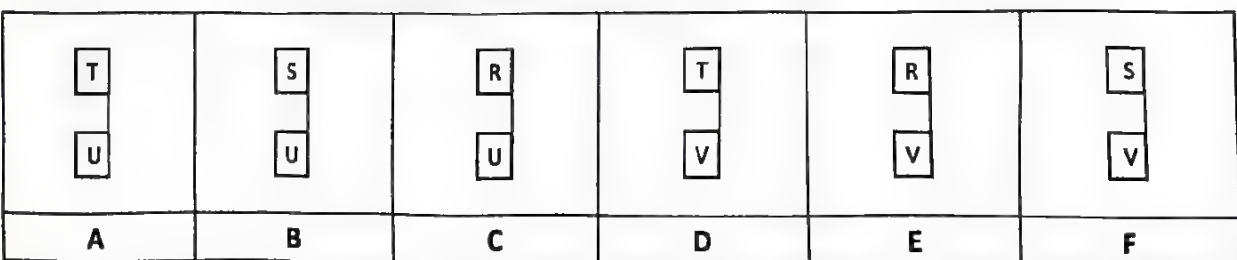
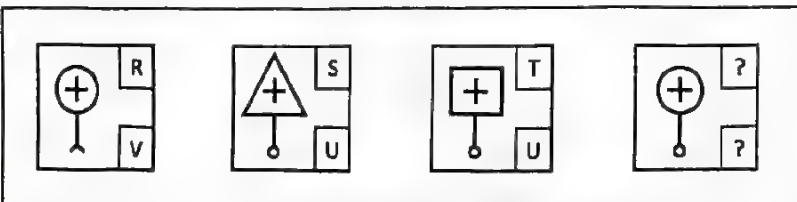


15



16

CODES



17



A



B



C



D

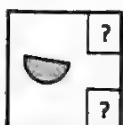
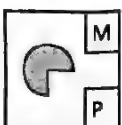
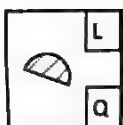
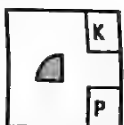


E



F

18



A



B



C



D



E



F

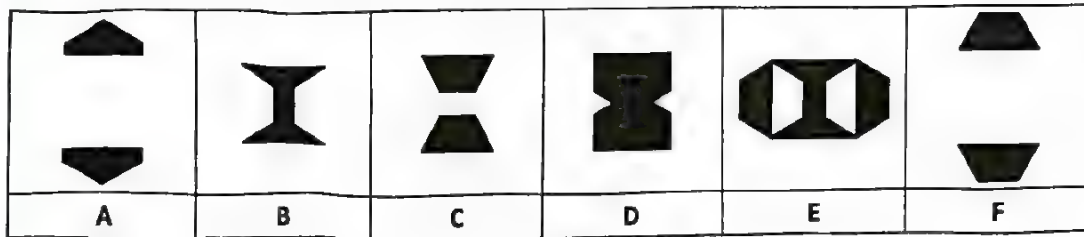
Mixed Test 2

For each question, circle one of the answers A–F.

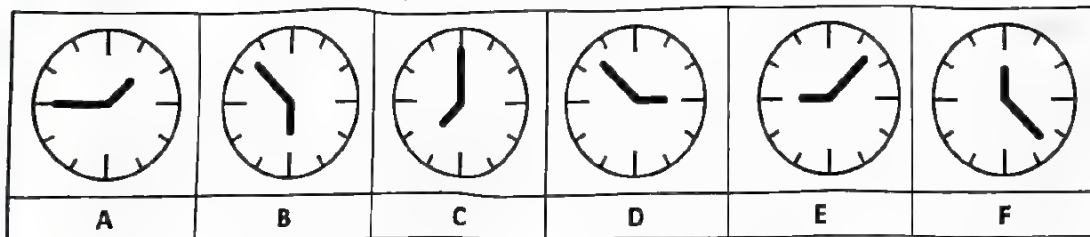
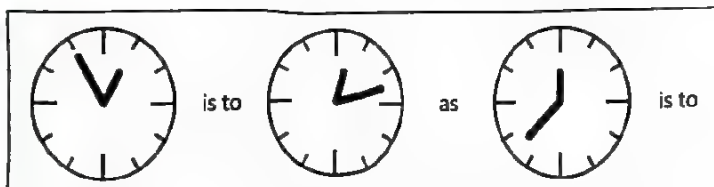
1



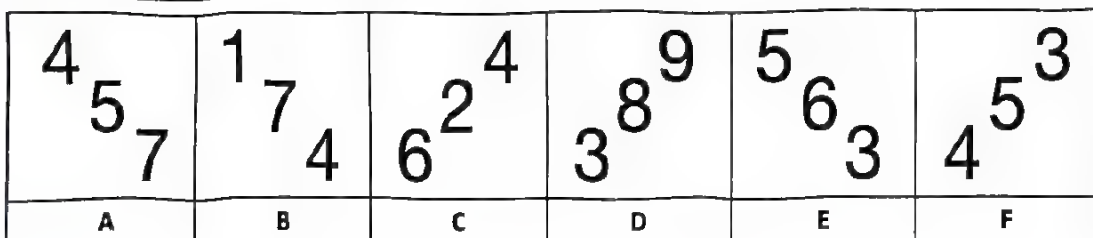
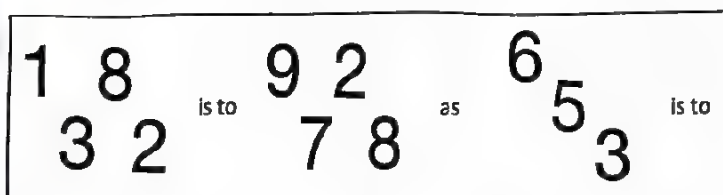
ANALOGIES



2

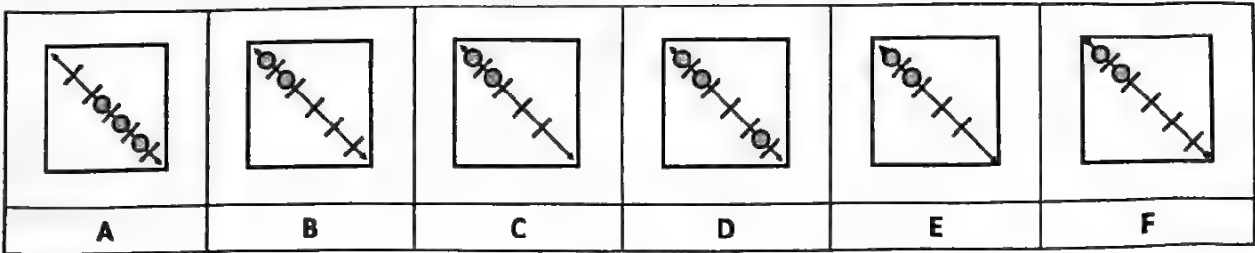
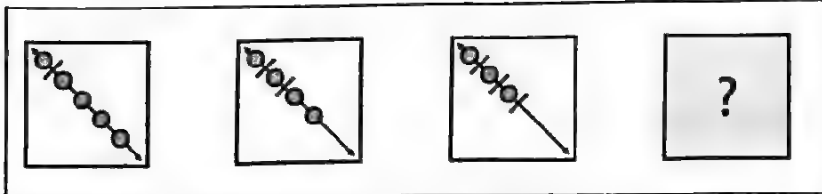


3

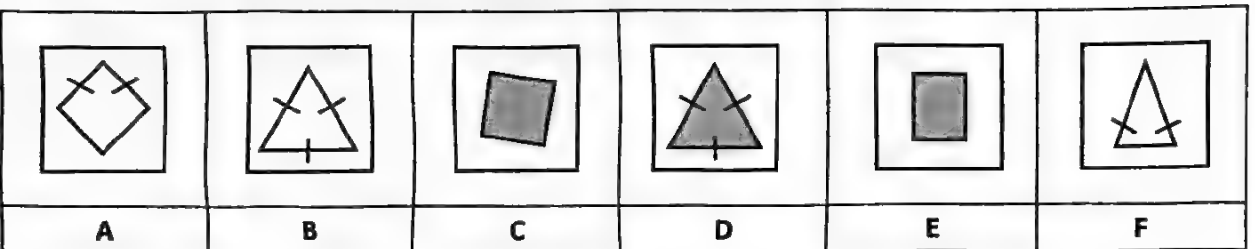
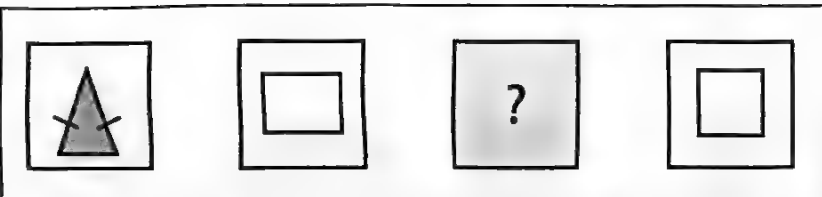


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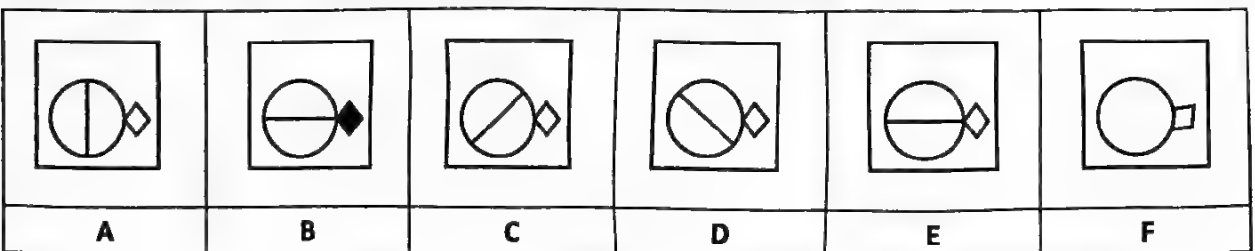
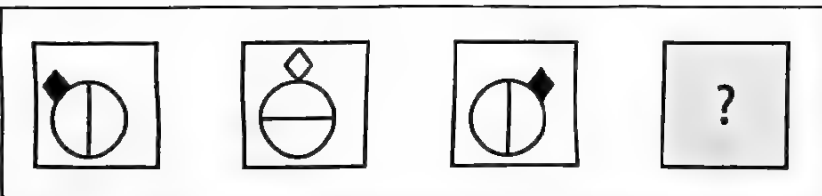
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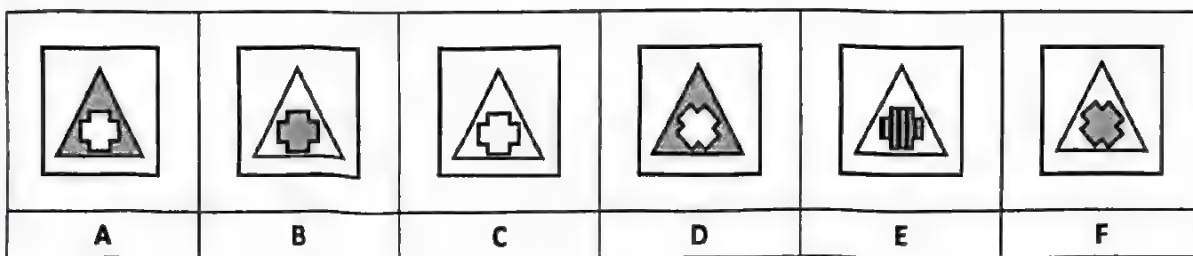
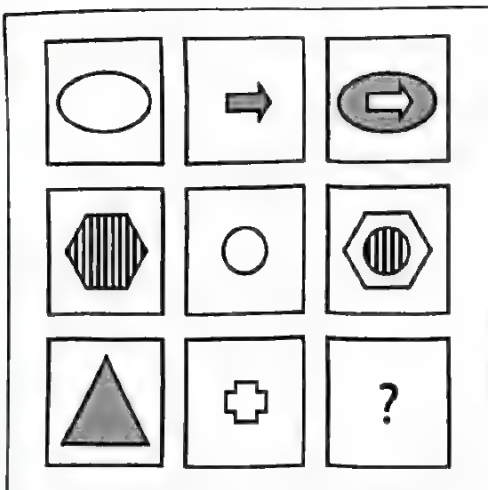


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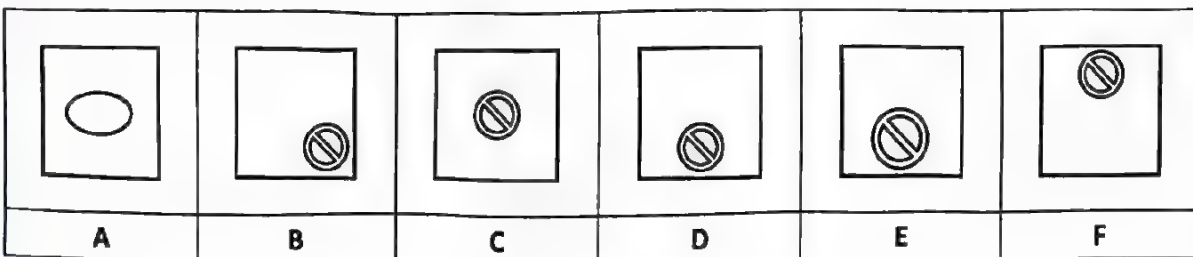
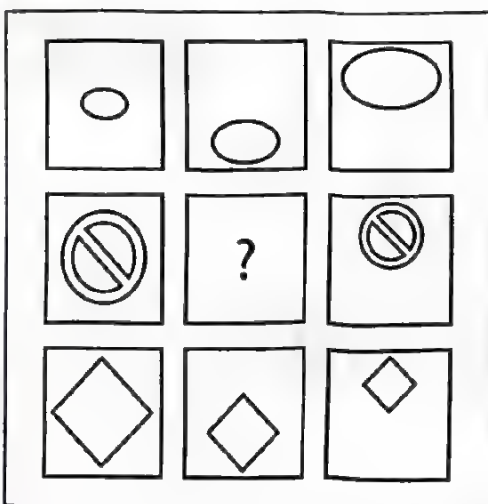


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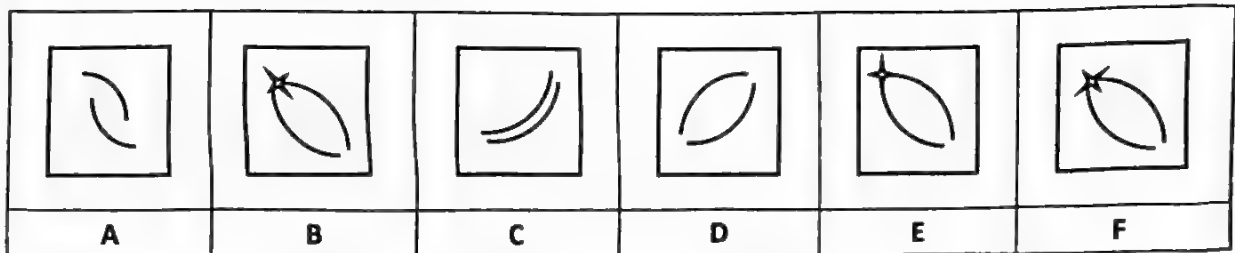
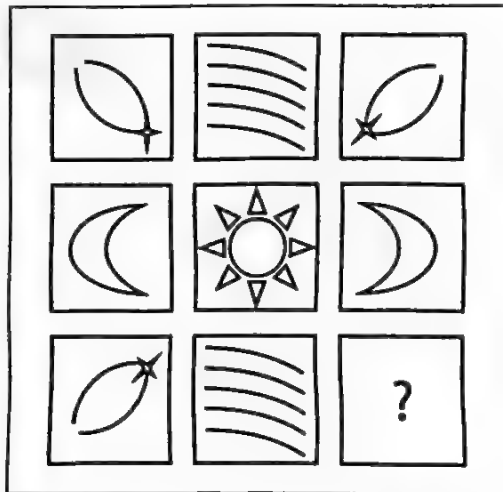
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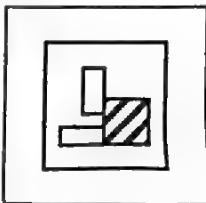
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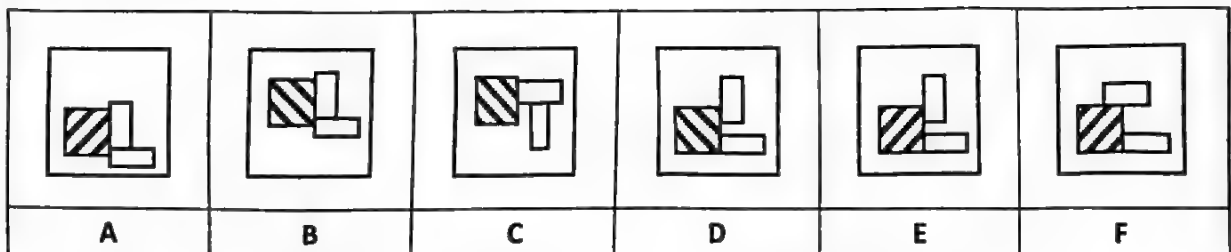
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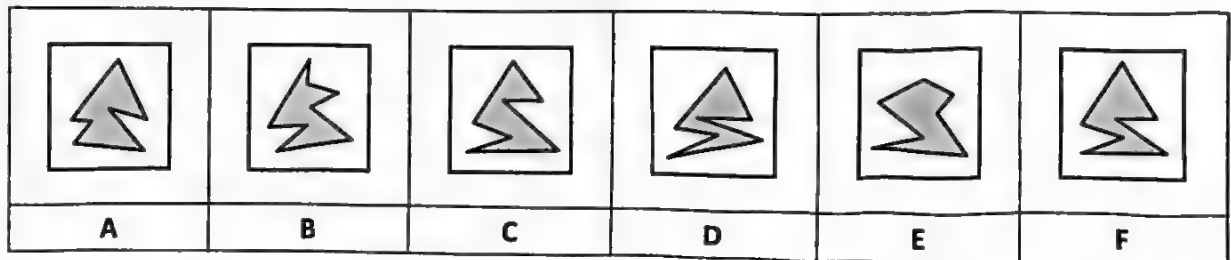
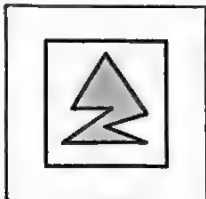
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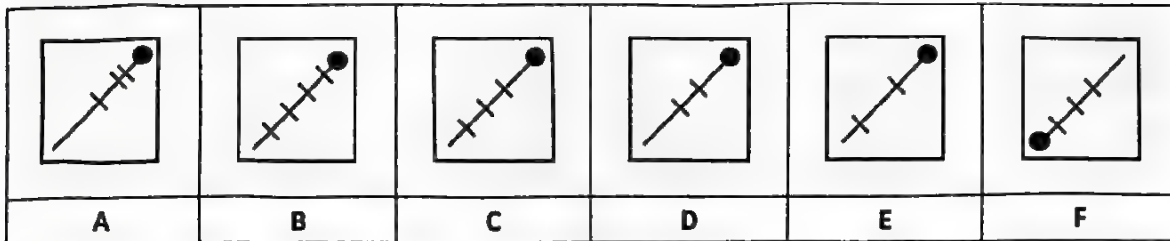
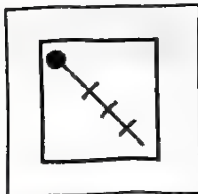
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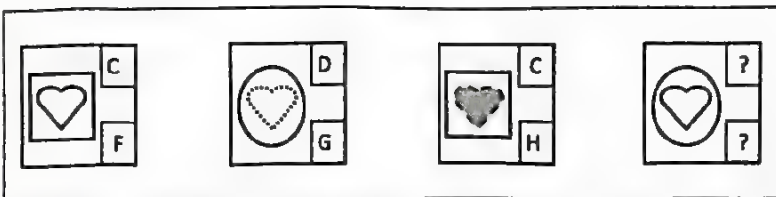
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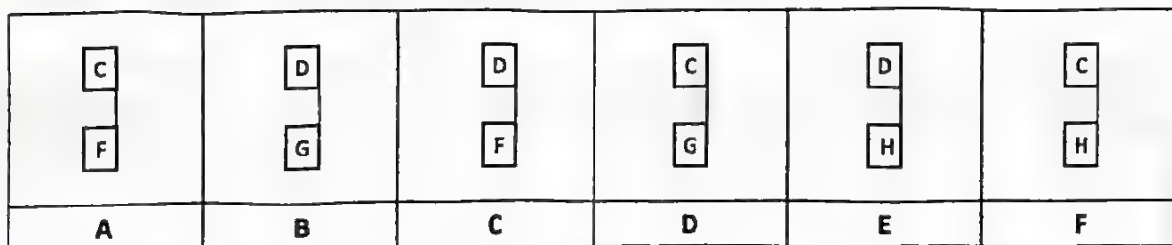
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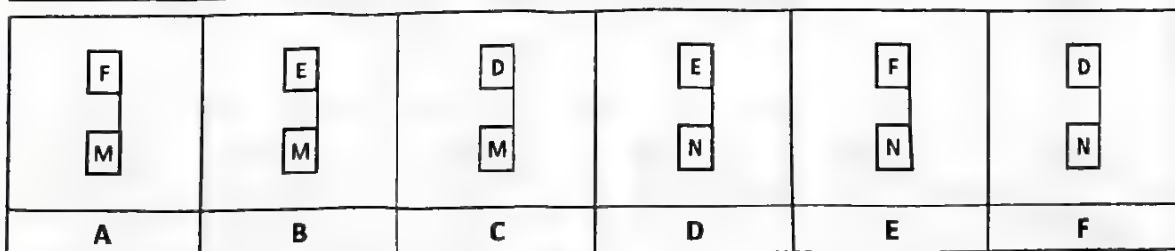
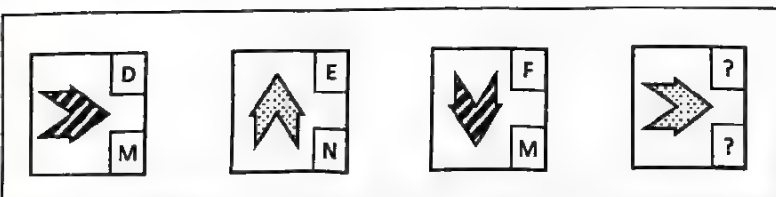
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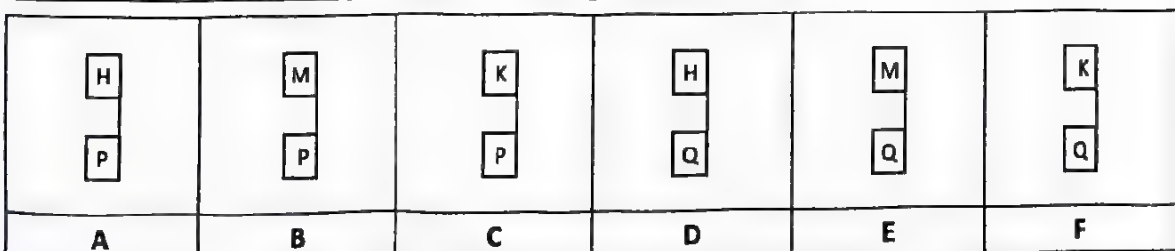
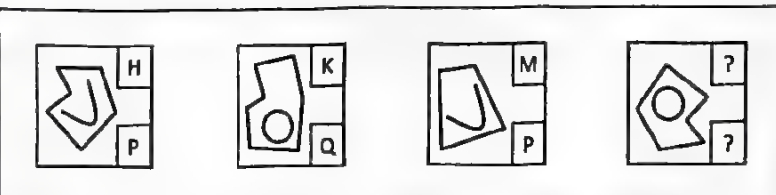
CODES



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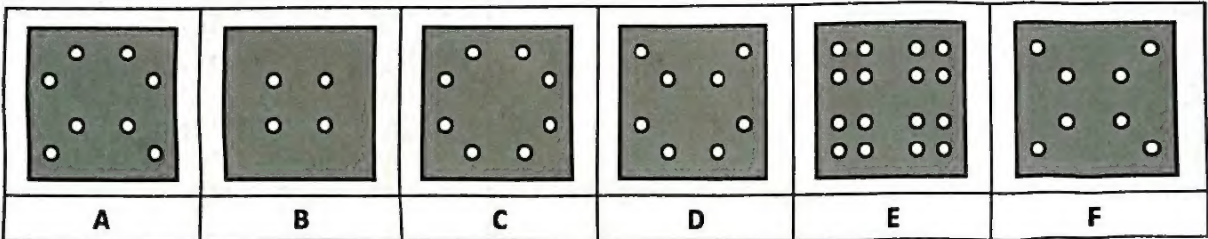
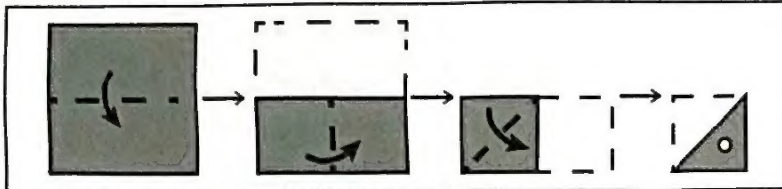


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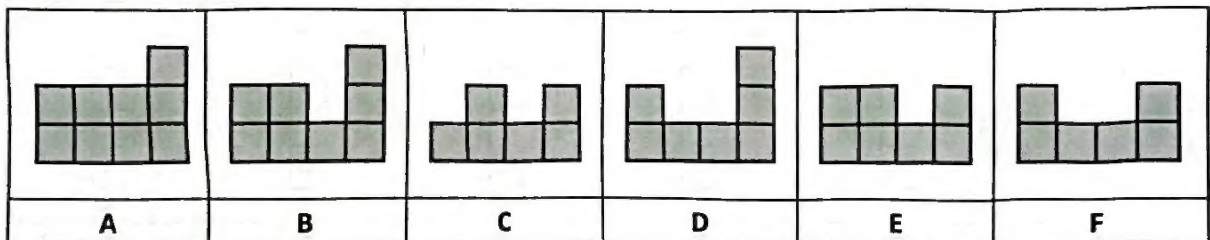
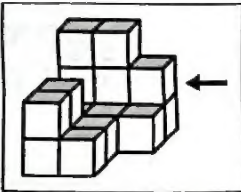


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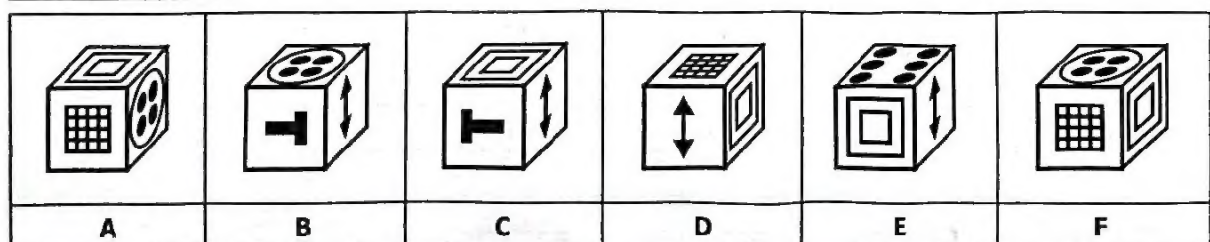
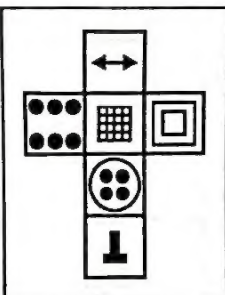
SPATIAL/3D



17



18



Answers

Extended answers with useful explanations are available online at www.scholastic.co.uk/pass-your-11-plus/extras or via the QR code opposite.



Similarities p.5

1	C
2	C
3	F
4	B
5	B
6	E
7	A
8	F
9	E
10	E
11	E
12	C
13	E
14	A
15	E
16	D

Differences p.10

1	C
2	F
3	D
4	F
5	C
6	A
7	F
8	E
9	F
10	E
11	F
12	A
13	B
14	D
15	C
16	C

Analogies p.13

1	C
2	D
3	A
4	F
5	D
6	E
7	D
8	B
9	C
10	D
11	E
12	F
13	C
14	A
15	B
16	B

Sequences p.18

1	C
2	C
3	E
4	A
5	B
6	C
7	A
8	F
9	A
10	D
11	D
12	C
13	B
14	D
15	B
16	A

Grids p.23

1	C
2	C
3	E
4	A
5	F
6	B
7	B
8	C
9	F
10	B
11	D
12	A
13	E
14	D
15	A

Rotations p.29

1	D
2	A
3	D
4	C
5	B
6	C
7	F
8	B

9	E
10	E
11	F
12	E
13	B
14	D
15	D

Reflections p.34

1	F
2	E
3	C
4	D
5	E
6	C
7	D
8	B

9	F
10	C
11	F
12	A
13	B
14	E
15	C
16	F

Answers

3D and Spatial Reasoning p.39

1	B
2	E
3	B
4	A
5	A
6	E
7	C
8	E

9	C
10	E
11	F
12	D

Codes p.45

1	D
2	E
3	D
4	B
5	C
6	D
7	D
8	D

9	B
10	F
11	C
12	F
13	A
14	A
15	E
16	B

Mixed Test 1 p.51

1	Similarities	B
2	Similarities	C
3	Similarities	E
4	Analogies	F
5	Analogies	A
6	Analogies	C
7	Sequences	E
8	Sequences	A
9	Sequences	F
10	Grids	E
11	Grids	C
12	Grids	A
13	Rotations	D
14	Rotations	D
15	Rotations	B
16	Codes	C
17	Codes	C
18	Codes	A

Mixed Test 2 p.57

1	Analogies	C
2	Analogies	E
3	Analogies	A
4	Sequences	C
5	Sequences	D
6	Sequences	E
7	Grids	B
8	Grids	D
9	Grids	E
10	Reflections	D
11	Reflections	F
12	Reflections	C
13	Codes	C
14	Codes	F
15	Codes	D
16	Spatial/3D	F
17	Spatial/3D	B
18	Spatial/3D	A

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